

Report No.: 8003-356  
Work Assignment No.: 038-2JZZ  
Contract No.: 68-W9-0051  
Rev. No. 0

September 30, 1994

RPR  
9/30/94

Mr. Joseph Hudek  
Pre-Remedial WAM  
U.S. Environmental Protection Agency (USEPA)  
Region II - Environmental Services Division  
Edison, New Jersey 08837

Dear Mr. Hudek:

The following is a summary of the Screening Site Inspection evaluation for the Jagger Lane Site (CERCLIS ID No. NYD982181380) (Ref. No. 1).

The Jagger Lane Site is located on Jagger Lane in the Westhampton Village section in the Town of Southampton, Suffolk County, New York (Ref. Nos. 1; 2, pp. 7-8). The site is bounded by Montauk Highway to the north, Main Street to the south, Sweet Grass Road to the east, and Brushy Neck Lane to the west (Ref. Nos. 2, p. 8; 4). The site is a recreational/residential area with some commercial establishments located along Montauk Highway (Ref. No. 2, p. 6). The site is comprised of 22 residences which have been negatively impacted by contamination of their drinking water wells (Ref. No. 2, pp. 10, 14). Contaminants found in private wells located in the affected area include 1,1,2-trichloroethylene (3,300 parts per billion (ppb)), tetrachloroethylene (180 ppb), cis-dichloroethylene (420 ppb), 1,2-dichloroethane (43 ppb), 1,2-dichloropropane (550 ppb) and 1,1,1-trichloroethane (35 ppb) (Ref. No. 2, pp. 5-8).

In 1982, the Suffolk County Department of Health Services (SCDHS) sampled 30 private wells at the tap. Subsequent sampling of 33 private wells at the site was also conducted by the SCDHS from January through April, 1985 (20 of these wells were previously sampled). Of the 22 impacted wells discovered during the abovementioned sampling events, six wells were found to have volatile organic compound (VOC) concentrations greater than both the USEPA 10-Day Health Advisory Guidelines and New York State Department of Health (NYSDOH) Guidelines for Drinking Water. Data from another 6 wells exceeded the NYSDOH Guidelines for Drinking Water but were within USEPA limits (Ref. No. 2, pp. 6, 10-14).

In March and April, 1985, the SCDHS installed 15 monitoring wells at the Jagger Lane Site to define the extent of groundwater contamination. The most recent sampling results obtained from the monitoring wells indicate that the potential source of contamination is located north of Montauk Highway (Ref. No. 2, pp. 9, 16). Possible sources of contamination include the Kenski Asphalt Company, the Suffolk Life Newspaper, the Southampton Municipal Landfill and potential areas of illegal dumping (Ref. Nos. 2, p. 16; 3, p. 5). Analytical results of samples collected from septic tanks, cesspools, dry wells and soils at the Suffolk Life Building and Kenski Asphalt property did not indicate the presence of the volatile organic compounds found at the Jagger Lane Site (Ref. No. 3, pp. 7-12). The actual source(s) of the Jagger Lane contamination remain unknown.

In April, 1985, the New York State Department of Environmental Conservation (NYSDEC) requested that the USEPA consider the Jagger Lane groundwater contamination for a CERCLA Removal Action (Ref. No. 2, p. 27). On May 3, 1985, the USEPA Regional Administrator verbally authorized CERCLA funding for removal activities to provide an alternate safe source of potable water to residents



Mr. Joseph Hudek  
U.S. Environmental Protection Agency  
September 30, 1994 - Page 2

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threatened by the contaminated groundwater. On May 10, 1985, bottled water was delivered to each of the residences affected by a contaminated well (Ref. No. 2, p. 28). The USEPA announced in a May 15, 1985 news release that Superfund would pay for the installation of mains, taps, meters and hook-ups for all the residences in the area threatened by groundwater contamination (Ref. No. 3, pp. 48-49). On June 3, 1985 the Hampton Bay Water District (HBWD) of the Town of Southampton initiated hook-up services at the Jagger Lane Site. On September 5, 1985, the Suffolk County Water Authority (SCWA) crews initiated tapping the water mains and installing water meter boxes, and on September 19, 1985, the first home was hooked up to the public water supply system (Ref. No. 2, pp. 31-32). As of August 15, 1986, a total of 79 homes were connected to the public water supply (one homeowner on Montauk Highway refused hookup and one building on Montauk Highway was demolished after being connected) (Ref. No. 3, pp. 50-57).

The SCWA operates two well fields in the general vicinity of the Jagger Lane Site, the Old Country Road Well Field and the Dune Road South Well Field (Ref. No. 5). Three wells are utilized at the Old Country Road Well Field, which is located 0.75 miles north (upgradient) of the site. One well is operated at the Dune Road Well Field which is located 1.9 miles south of the site across Moriches Bay (Ref. No. 4). These well fields provide potable water to a total of 11,018 people (Ref. No. 5). Due to the locations of the well fields, it is improbable that groundwater contamination found beneath the site can have any impact on the public water supply.

After reviewing the site files and all relevant information for this site it was determined that the recommendation for the Site should be <sup>RFR</sup> No Further Remedial Action Planned (NFRAP). The following is the definition of a NFRAP: To the best of the EPA's knowledge, Superfund has completed its assessment at this Site, and has determined that no further steps to list this Site on the NPL will be taken unless information indicating that this decision was not appropriate or other considerations make a recommendation for listing appropriate at a later time. A "NFRAP" decision does not necessarily mean that there is no hazard associated with a given Site; it means only that based upon available information, the location is not judged to be a potential NPL Site.

Very truly yours,

  
ANDREW CLIBANOFF  
SITE MANAGER

  
TODD G. TERYEK  
TASK LEADER

  
JOHN L. SPLENDORE, P.E.  
WORK ASSIGNMENT MANAGER

**This Report was conducted  
under the following  
USEPA Documentation Procedure**

**Guidance for Performing Site  
Inspections Under CERCLA  
Interim Final Publication 9345.1-05**

**ATTACHMENT 1**



## REFERENCES

1. U.S. Environmental Protection Agency (USEPA), Superfund Program, Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS), List 8: Site/Event Listing, p. 499, March 15, 1993.
2. On-Site Coordinator Report, Jagger Lane Site,, Westhampton, New York, prepared by Roy F. Weston Technical Assistance Team (TAT) for the USEPA, September 30, 1986.
3. Sampling Report: Suffolk Life Building and Kneski Property, Jagger Lane Groundwater Contamination Site, Westhampton, New York, prepared by Roy F. Weston TAT for the USEPA, July, 1985.
4. Suffolk County Water Authority (SCWA) Distribution Map, Jagger Lane Site, Westhampton, Suffolk County, New York, September 30, 1994.
5. Project Note: To Jagger Lane Site File, from Andrew Cilbanoff, Malcolm Pirnie, Inc., Subject: Groundwater Apportionment, September 29, 1994.

**REFERENCE NO. 1**

RUN DATE: 03/16/93 16:14:56  
CERCLIS DATA BASE DATE: 03/15/93  
CERCLIS DATA BASE TIME: 13:22:21  
VERSION 3.00

\*\* PROD VERSION \*\*  
U.S. EPA SUPERFUND PROGRAM  
\*\* C E K C L I S \*\*  
LIST-8: SITE/EVENT LISTING

PAGE: 499  
CERHELP DATA BASE DATE: N/A  
CERHELP DATA BASE TIME: N/A

SELECTION:  
SEQUENCE: STATE, CNTY CODE, SITE NAME

EVENTS: ALL

EPA ID NO.	SITE NAME STREET CITY COUNTY CODE AND NAME	STATE ZIP COUNTY DIST.	UPRBL UNIT	EVENT TYPE	EVENT	ACTUAL START DATE	ACTUAL CUMPL DATE	CURRENT EVENT LEAD
NYD980506901	ISLIP MUNICIPAL SANITARY LANDFILL		00	RS1		03/21/90	09/14/90	EPA (FUND)
	BLVDENJURG RD/LG ISLAND MOTOR			RS2		11/19/92	12/04/92	EPA (FUND)
	HAUPPAUGE	NY 11751		DS1			10/01/78	EPA (FUND)
	103 SUFFOLK			PA1			09/01/84	STATE (FUND)
				NP1			01/22/87	EPA (FUND)
				NP1			03/31/89	EPA (FUND)
				SI1		01/01/86		STATE (FUND)
			01	AK1		09/08/92		UTHER
				CU1		11/15/87	09/30/92	UTHER
				KU1			09/30/92	FED ENFORCE
				KU1		12/18/90	03/15/92	UTHER
				KD2		09/30/92		UTHER
				RA1		03/15/92		UTHER
NYD980216751	ISLIP SAYVILLE LANDFILL		00	DS1			02/24/87	STATE (FUND)
	LINCOLN AVENUE			PA1		02/24/87	03/03/87	STATE (FUND)
	SAYVILLE	NY 11751		SI1		12/01/91	12/01/91	STATE (FUND)
	103 SUFFOLK							
* NYD982181380	JAGGER LANE SITE		00	IK1		05/08/85	09/12/86	EPA (FUND)
	JAGGER LANE			DS1			03/20/87	EPA (FUND)
	WESTHAMPTON	NY 11977		PA1		05/04/87	05/11/87	EPA (FUND)
	103 SUFFOLK							
NYD982415404	JAMECO INDUSTRIES INC		00	DS1			01/24/86	EPA (FUND)
	248 WYANDANCH AVE			PA1		09/05/86	09/24/86	EPA (FUND)
	WYANDANCH	NY 11798		PA2			07/09/87	STATE (FUND)
	103 SUFFOLK			SI1			12/31/91	EPA (FUND)
NYD986927705	JERICHO TURNPIKE		00	KV1		09/21/90	09/27/91	EPA (FUND)
	ROUTE 25 BWN. KINGS PK. RD. 4FI							
	COMMACK	NY 11725						
	103 SUFFOLK							
NYD986886117	JOSEPH MENAERA		00	DS1			11/01/89	STATE (FUND)
	SOUTH COUNTRY ROAD			PA1	NFA		12/01/89	STATE (FUND)
	TOWN OF WESTHAMPTON	NY 11977						
	103 SUFFOLK							

FORM 1611-3

PRINTED IN U.S.A.

P.R.

**REFERENCE NO. 2**

TAT-02-F-03176

OSC REPORT

JAGGER LANE WESTHAMPTON, NEW YORK

SITE IDENTIFICATION NUMBER: G-8

DATE OF ISSUANCE: September 30, 1986

Prepared For:  
Gad W. Tawadros, Federal On-Scene Coordinator  
Response and Prevention Branch  
Emergency and Remedial Response Division  
U.S. Environmental Protection Agency, Region II  
Edison, New Jersey 08837

Prepared By:  
Ahmet Suer  
Technical Assistance Team  
Roy F. Weston, Inc.  
Edison, New Jersey 08837

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JAGGER LANE, WESTHAMPTON, NEW YORK  
GROUNDWATER CONTAMINATION  
ON-SCENE COORDINATOR'S FINAL REPORT

1.0 BACKGROUND

1.1. Site Setting and Description:

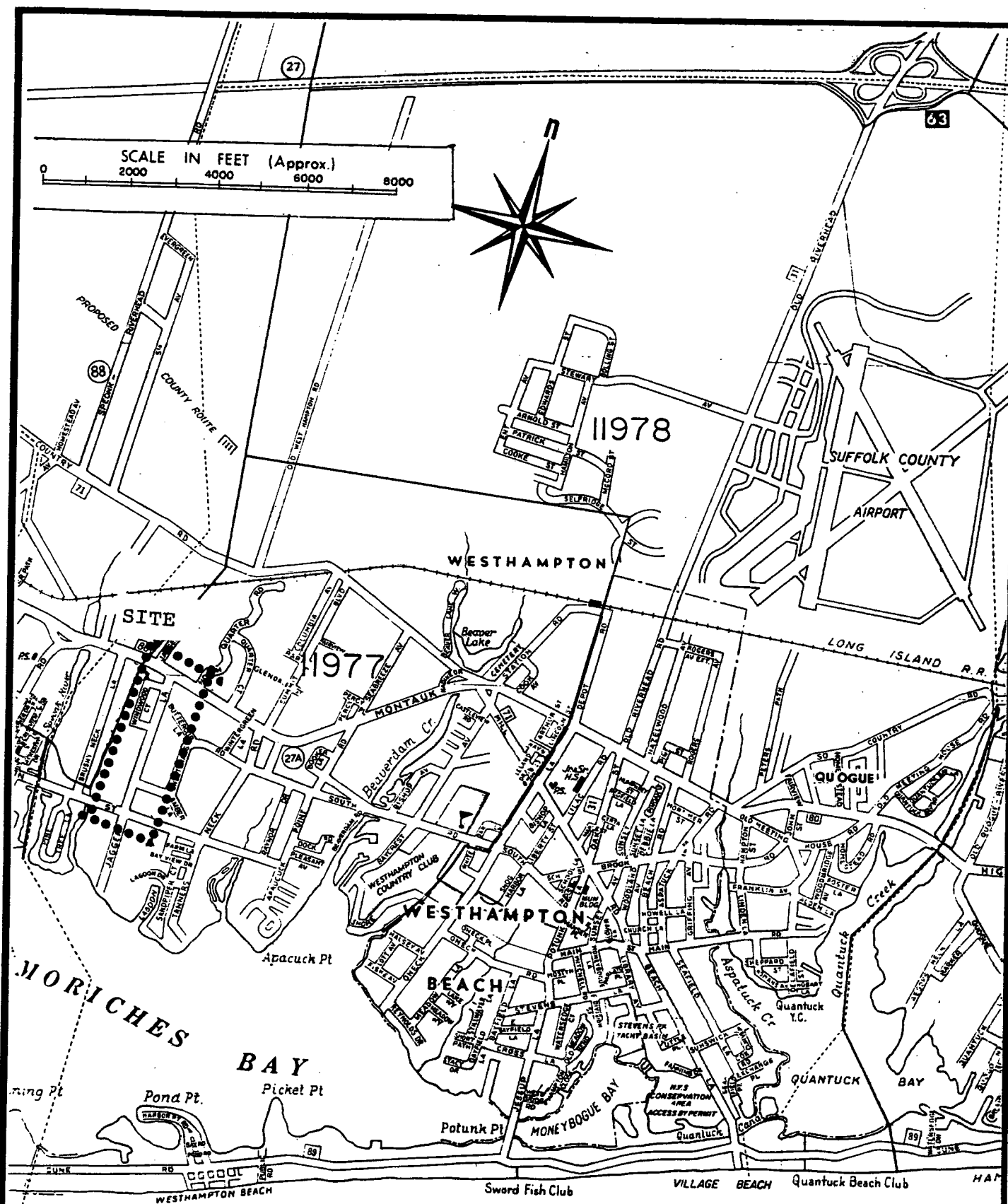
The Jagger Lane groundwater contamination site is located in the Westhampton Village Section in the Town of Southampton, Suffolk County, New York (Figures #1, #2 and #3). The area of groundwater contamination includes portions of Jagger Lane (between Montauk Highway to South Country Road), Windwood Court, Montauk Highway (near Jagger Lane) and South Country Road in the Village of Westhampton.

The site is a recreational/residential area with some commercial establishments located along Montauk Highway.

1.2. Threat:

Sampling of 30 private wells, at the tap, was conducted in 1982 by the Suffolk County Department of Health Services (SCDHS). In addition, one





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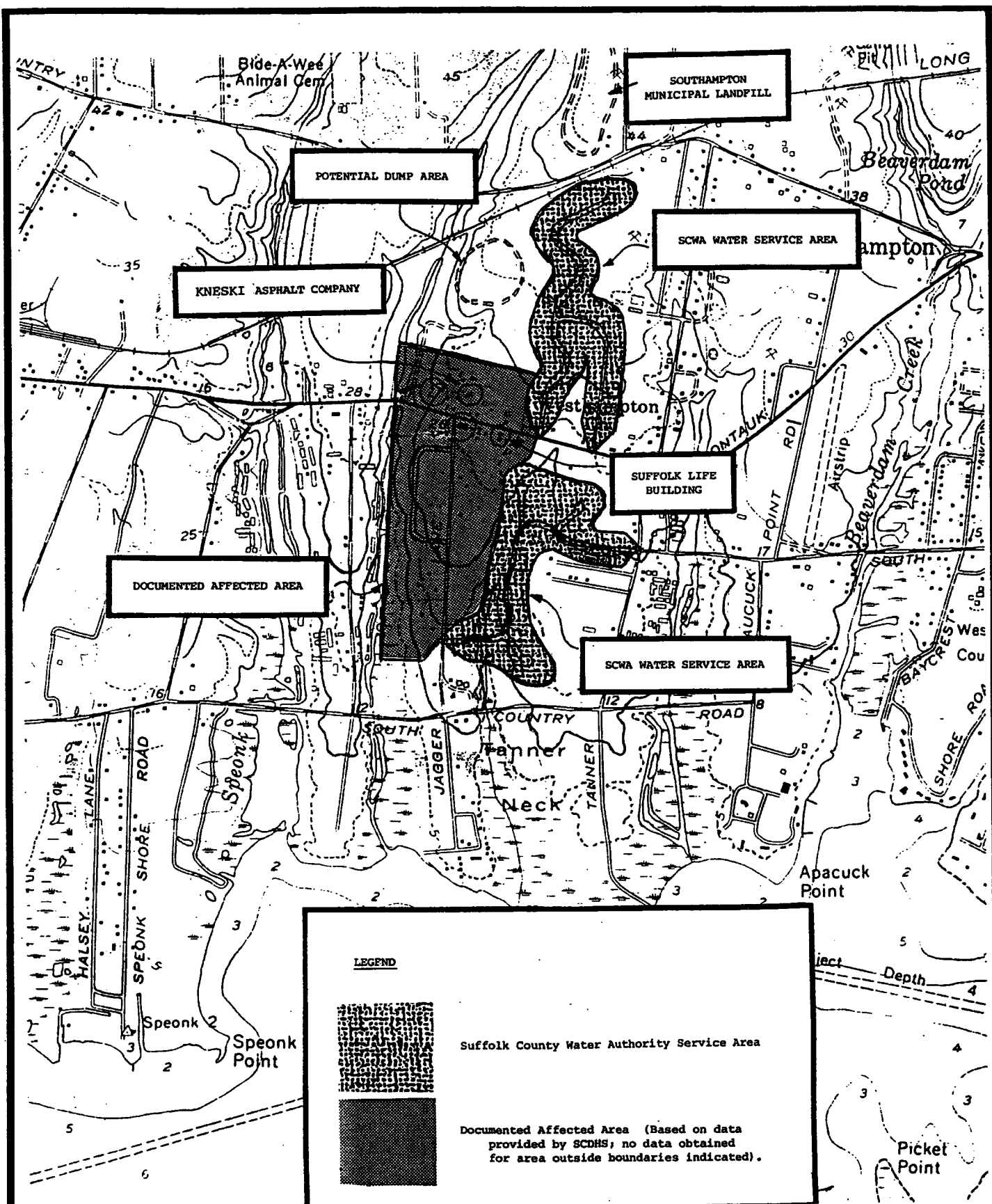
**G. TAWADROS**

**TAT PM**

A. S U E R

**FIGURE 2**

JAGGER LANE  
N.Y.



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FIGURE 3

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private well was resampled in August, 1984.

Subsequent sampling of 33 private wells at the site was also conducted by the SCDHS, from January through April, 1985 (20 of these wells were previously sampled). The SCDHS had these samples analyzed for 52 volatile organic compounds (VOCs). Analytical work was completed by SCDHS' Laboratory which is certified by the New York State Department of Health (NYSDOH).

The SCDHS sample results indicated that drinking water contamination impacted 22 homes at one time or another at the tap. Of the wells sampled, volatile organic compounds (VOCs) were found to be present in six wells at levels that exceeded both EPA's 10-Day Health Advisory Guidelines (200 ppb for trichloroethylene) and NYSDOH Guidelines for Drinking Water (50 ppb for a single organic compound or 100 ppb for total organic compounds). Data from another 6 wells exceeded the NYSDOH Guidelines for Drinking Water, but were below the EPA's 10-Day Health Advisory Guidelines. Table #1 presents concentrations of the major volatile organic compounds found in the residential wells. Figure #4 presents the locations of the sampled residential

Table 1

Jagger Lane, West Hampton, New York  
Summary of Reported Concentrations of  
Six Volatile Organic Contaminants  
Found In Residential Wells<sup>1</sup>

Resi- <sup>2</sup> dential Well	Sample Date	1,2- Dichloro- ethane	1,1,1- Trichloro- ethane	1,1,2- Trichloro- ethylene	Cis- Dichloro- ethylene	Tetrachloro- ethylene	1,1- Dichloro- propane	Total Con. of VOC's
Dupez	3/8/82	4	-	-	-	-	550*	554*
	3/11/85	-	-	-	-	-	-	-
Schneider	5/6/82	-	-	4	-	-	37	41
Hallinan	11/17/81	-	-	10	-	-	-	10
	2/27/85	-	-	-	-	-	3	3
Bartko	3/16/82	-	-	9	-	-	-	9
<u>Smith</u>	3/8/82	-	-	17	-	2	-	19
	4/-/85	-	-	69*	-	2	25	96
Plank	2/10/82	-	-	500*,**	-	47	-	547*
	3/11/85	-	-	35	-	-	-	35
<u>Bengualid</u>	6/7/82	43	35	3300*,**	-	180*,**	-	3558*
	8/-84	-	-	140*	-	-	-	140*
Hopkins	12/12/83	-	-	3	4	-	-	7
Leveen	3/8/82	-	5	-	-	-	-	5
<u>Glasky</u>	6/29/82	10	-	560*,**	59*	20	-	649*
	3/11/85	-	-	140*	3	4	47	197*
Hadlock	3/12/82	-	-	240*,**	-	3	-	243*
	2/27/85	-	-	-	-	-	-	-
Scammell	8/17/82	-	-	540*,**	-	-	-	540*
	3/11/85	-	-	22	-	-	-	22
Fugelsang	10/18/82	-	-	42	-	-	-	42
Barnet	6/29/82	-	-	41	-	-	-	41
<u>Sposato</u>	2/27/85	-	-	2000*,**	420*,**	21	9	2472*
	1/28/85	-	-	-	-	-	49	49
Wolff	2/20/85	-	-	10	-	-	3	13
Abbate	2/27/85	-	-	5	-	-	26	31
Nowak	2/20/85	-	-	6	-	-	-	6

Table 1

Jagger Lane, West Hampton, New York  
Summary of Reported Concentrations of  
Six Volatile Organic Contaminants  
Found In Residential Wells<sup>1</sup>  
(Continued)

Resi- <sup>2</sup> dential Well	Sample Date	1,2- Dichloro- ethane	1,1,1- Trichloro- ethane	1,1,2- Trichloro- ethylene	Cis- Dichloro- ethylene	Tetrachloro- ethylene	1,1- Dichloro- propane	Total Con. of VOC's
Stasse	3/11/85	-	-	-	-	-	7	7
Finkelstn	3/11/85	-	-	46	-	-	26	72
<u>Kempster</u>	4/-/85	-	-	12	-	-	57*	77
<u>Rogers</u>	4/-/85	-	-	54*	-	-	19	77

NOTES:

<sup>1</sup> Sampling and analysis conducted by Suffolk County  
Department of Health Services. All values are in  
ppb: - = Not detected.

<sup>2</sup> Residences t receive bottled water indicated by underlined names.

\* Concentration exceeds NYSDOH guideline for determining water  
unfit for drinking or cooking.

\*\* Concentration exceeds 10-Day EPA SNARLS.



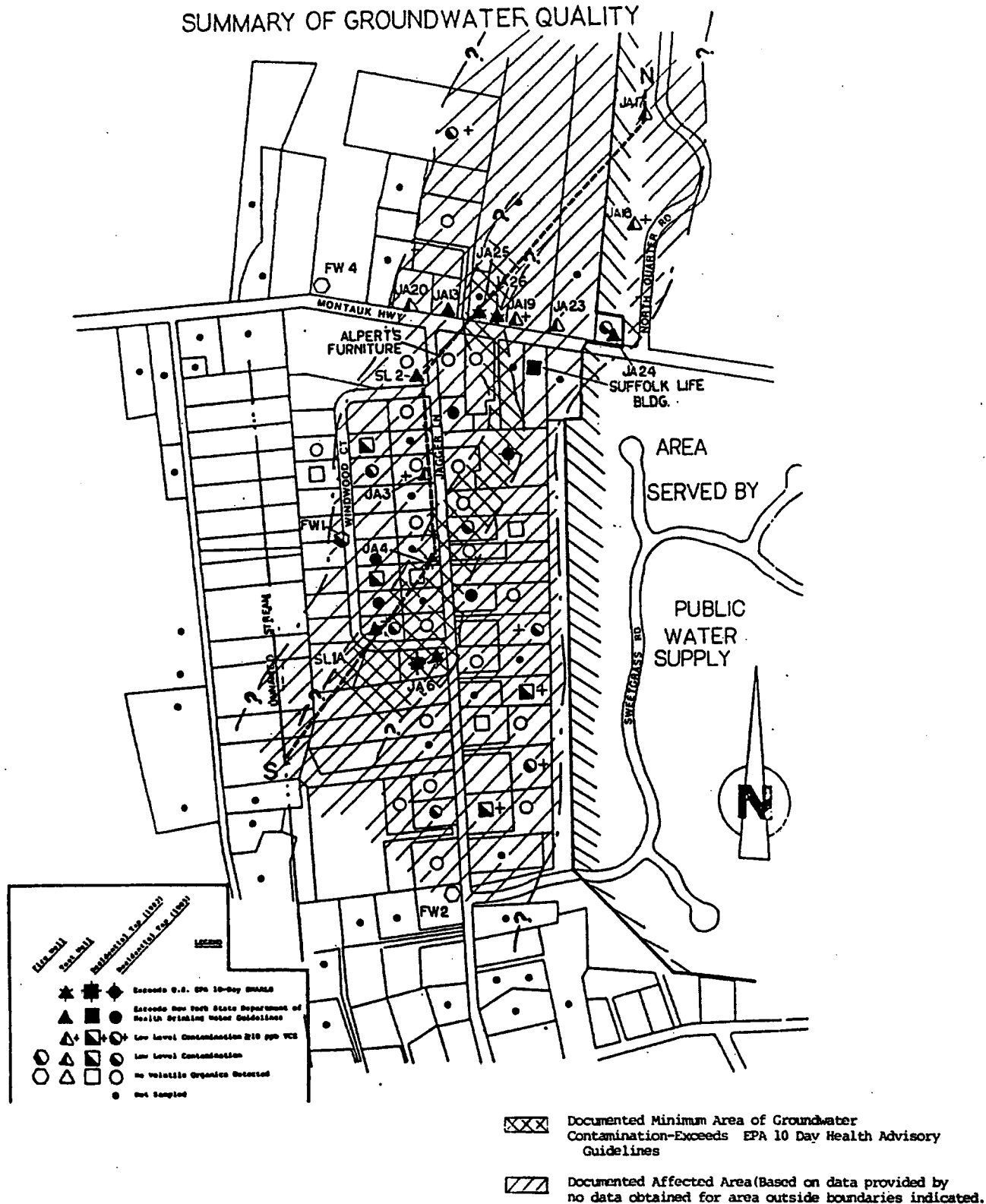
wells, and Figure #5 summarizes the levels of contamination reported for each well based upon results obtained from the 33 wells sampled in 1985, the one well sampled in 1984 and the 9 wells sampled in 1982 which have not resampled.

The maximum concentration of six major volatile organic compounds as follows:

Six Major Volatile Organic Compounds

<u>Contaminant</u>	<u>Maximum Concentration (ppb)</u>
Trichloroethylene	3,300
Tetrachloroethylene	180
Trichloroethane	35
1,2-Dichloropropane	57
1,2-Dichloroethane	43
Cis-dichloroethylene	420

# SUMMARY OF GROUNDWATER QUALITY



**WESTON**  
ENGINEERING CONSULTANTS

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FIGURE 5

JAGGER LANE  
N.Y.

Exposure potential is primarily through drinking the water or eating food prepared with this water. Additionally, when using contaminated water for bathing/showering, there may be significant toxicological implications. New Jersey State Department of Health conducted tests to assess "shower air samples" at Pomona Oaks, New Jersey. These tests indicated that there are higher levels of volatile organics in shower air (inhalation). than in the corresponding potable water levels (ingestion). Therefore, potential human exposure includes exposure via ingestion, as well as, inhalation and dermal contact. Also, due to the presence of several different chlorinated hydrocarbons in the groundwater, there is a potential for synergistic toxic effects from a combination of these compounds.

After receiving sampling results for the private wells, the SCDHS advised the residents of affected homes located within the risk area as follows:

"Due to concentration of compounds detected, the water should not be used for drinking or cooking purposes".

In addition, approximately 15 groundwater sampling wells were installed by SCDHS during March and April, 1985, at the Jagger Lane Site. The intent of installing these wells was to define the extent of groundwater contamination and to possibly locate the source(s) which are believed to be located north of contaminated area. The most recent sampling results obtained from these test wells indicate that the source of contamination is located north of Montauk Highway. Possible sources of contamination include a local asphalt company, the Southampton Municipal Landfill and possible unreported illegal dumping or waste disposal. However, the sources have not been defined at present.

Preliminary review of groundwater quality data from samples obtained at these well locations appear to correlate with the lateral distribution of contaminants as indicated by the 1985 residential well sampling and analysis. The location of the groundwater sampling wells are shown on Figure #5. Additional wells are located in an area north of the site. Water quality data obtained from sampling these wells is presented in Table #2.

Table 2  
Summary of Groundwater Sampling Well Water Quality Data

Well No. <sup>1</sup>	Sample Depth (Feet)	1-1-2 Tri-chloroethylene	Cis Dichloroethylene	Tetrachloroethylene	1-2 Dichloropropane	Total Con. of VOC's
SL-1A	21	16	-	-	-	16
	42	15	-	-	6	21
	63	680	-	66	-	746
	84	320	0	30	-	350
	105	-	-	-	-	-
	125	-	-	-	-	-
SL-2	24	-	-	-	57	57
	45	-	-	-	-	-
	65	-	-	-	-	-
	75	-	-	-	-	-
JA-3	23	-	-	-	-	-
	44	-	-	-	-	-
	65	26	-	8	26	60
	82	-	-	-	-	-
JA-4	23	-	-	-	-	-
	44	-	-	-	-	-
	65	250	3	10	6	269
	75	1300	190	66	34	1590
JA-6	23	10	-	-	-	10
	44	3	-	-	-	3
	65	710	-	12	-	722
	75	110	-	-	-	110
	96	-	-	-	-	-
	107	-	-	-	-	-
JA-13	28	-	-	-	-	-
	44	-	-	-	-	-
	65	66	-	-	32	98
	86	3	-	-	-	3
	96	-	-	-	-	-
JA-17	28	-	-	-	-	-
	44	-	-	-	-	-
	65	-	-	-	-	-
	86	6	-	-	-	6
	96	33	-	-	-	33

- = Not Detected.

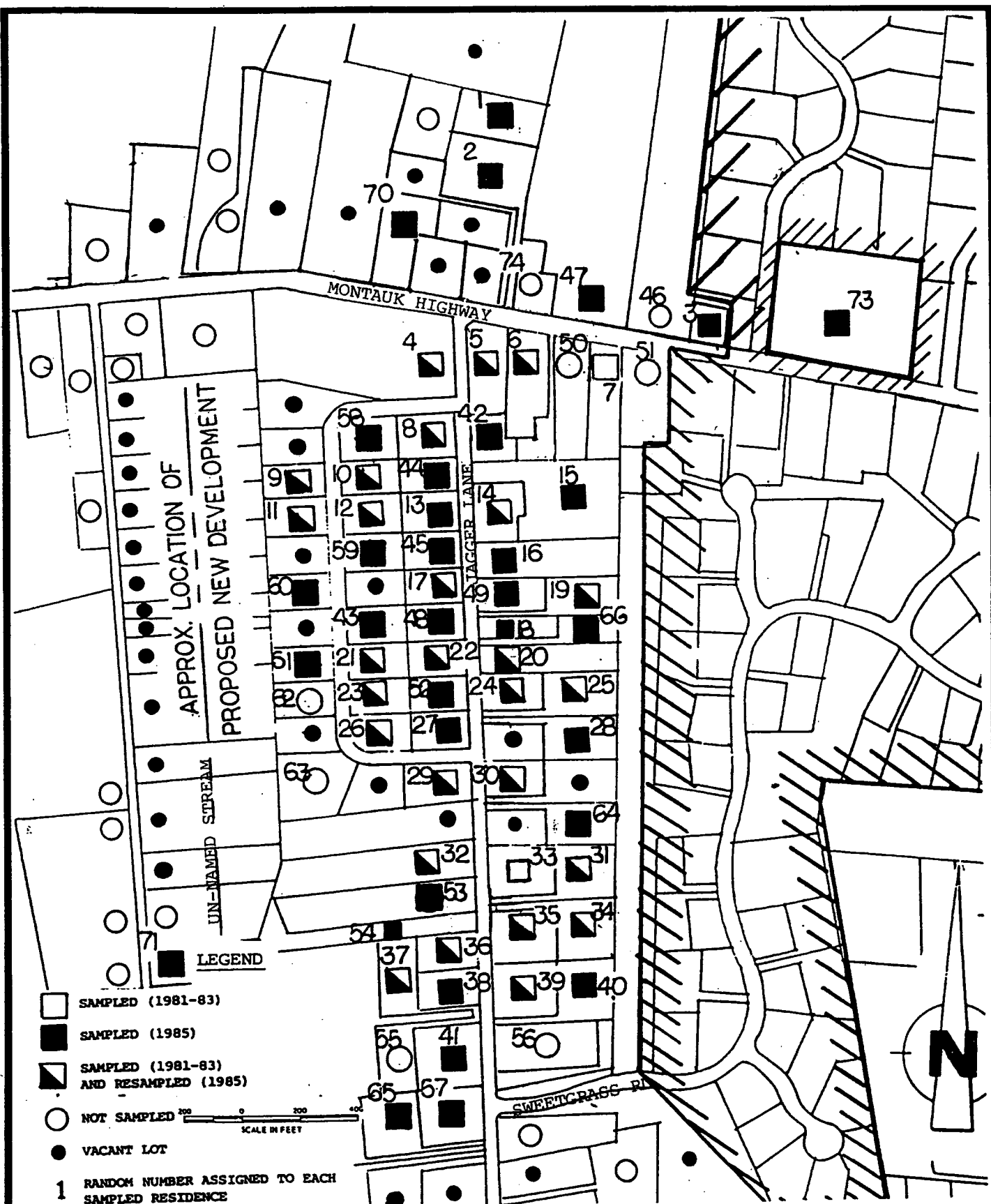
<sup>1</sup> All samples collected by Suffolk County Department of Health Services, January through April, 1985.

Table 2  
Summary of Groundwater Sampling Well Water Quality Data  
(Continued)

Well No. <sup>1</sup>	Sample Depth (Feet)	1-1-2 Tri-chloroethylene	Cis Dichloroethylene	Tetrachloroethylene	1-2 Dichloropropane	Total Con. of VOC's
JA-18	26	-	-	-	-	-
	44	-	-	-	-	-
	65	4	-	-	-	8
	86	7	-	-	-	7
	96	2	-	-	-	2
JA-19	29	-	-	-	-	-
	46	-	-	-	-	-
	66	3	-	-	-	3
	86	24	-	-	-	24
	96	-	-	-	-	-
JA-23	49	-	-	-	-	-
	70	3	-	-	-	3
	91	4	-	-	-	4
	112	8	-	-	-	8
	124	-	-	-	-	-
	33	-	-	-	-	-
	56	-	-	-	13	13
	76	-	-	-	100	100
JA-25	26	-	-	-	-	-
	44	-	-	-	-	-
	65	-	-	-	-	-
	86	910	-	13	-	923
JA-26	22	-	-	-	-	-
	44	-	-	-	-	-
	65	9	-	-	-	9
	36	1200	-	-	-	1200
	107	12	-	-	-	12
FW-1*	Unknown	-	-	-	3	3
FW-2*	Unknown	-	-	-	-	-
FW-4*	Unknown	-	-	-	-	-

- = Not Detected.

<sup>1</sup> All samples collected by Suffolk County Department of Health Services, January through April, 1985.



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FIGURE 4

JAGGER LANE  
N. Y.

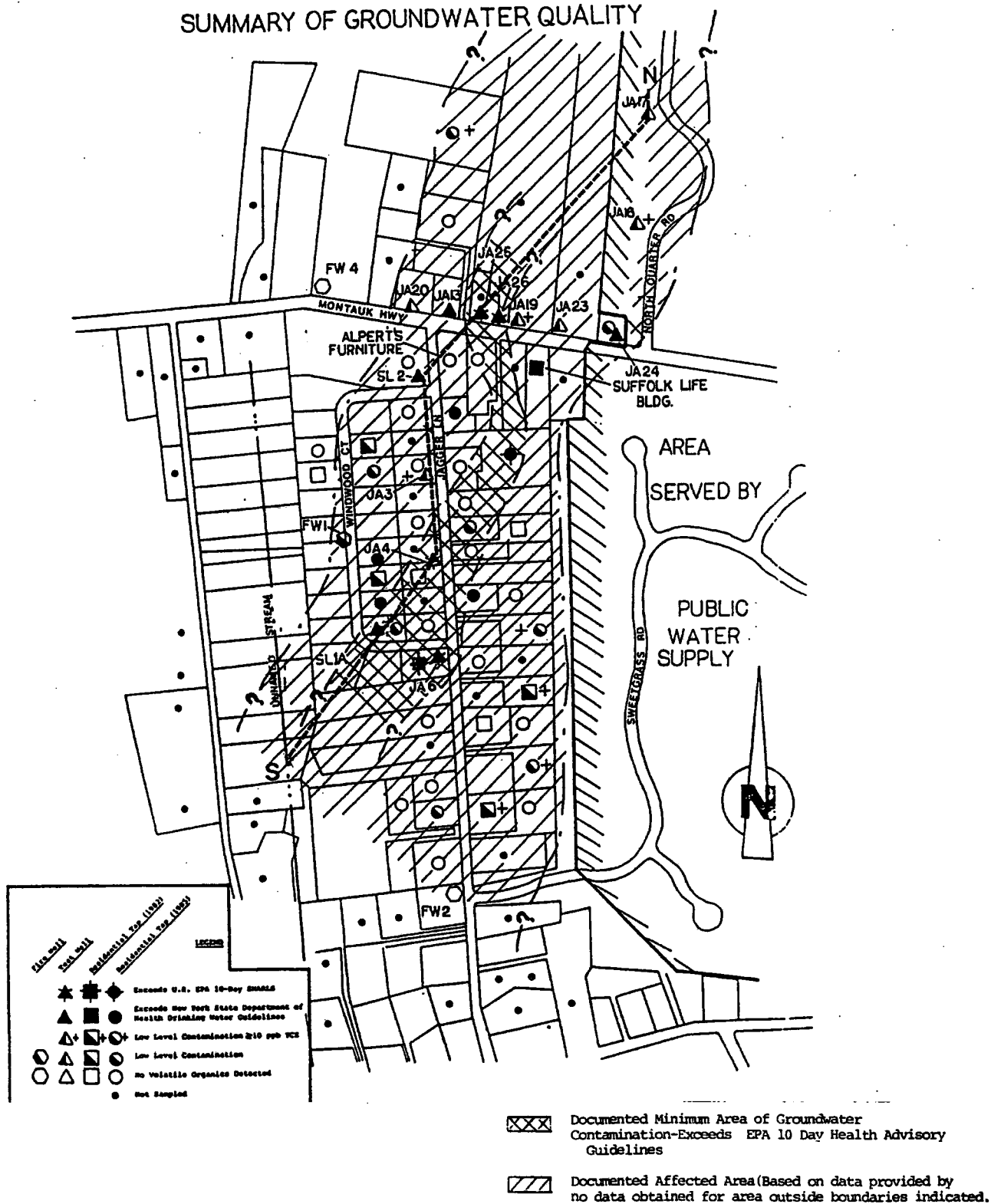
Five of the test wells were contaminated by volatile organic compounds to levels in excess of the EPA 10-Day Health Advisory Guidelines. Highest contaminant levels were encountered at depths generally between 50 and 90 feet below the ground surface. Figure #5 also presents sample analysis results of the groundwater sampling wells. The lateral extent of this area has not been defined due to the limited number of sampling points located outside of this area.

Figure #5 also presents an approximate outline of the minimum site area characterized by contamination in excess of the EPA 10-Day Health Advisory Guidelines as determined from residential well water sample analysis and/or samples obtained from groundwater sampling wells. The lateral extent of this area has not been defined due to the limited number of sampling points located outside of this area.

Figure #6 presents a subsurface profile (cross-section) which is oriented generally northeast to southwest or parallel to the apparent trend of contaminated plume. The location of this subsurface



# SUMMARY OF GROUNDWATER QUALITY



**WESTON**  
ENGINEERS CONSULTANTS

SPILL PREVENTION &  
EMERGENCY RESPONSE DIVISION

EPA PM

G. TAWADROS

FIGURE 5

In association with  
ICF, Inc., Jacobs Engineering, Inc., & Tetra Tech, Inc.

TAT PM

A. SUER

JAGGER LANE  
N.Y.



JAGGER LANE  
N.Y.

In association with  
ICF, Inc., Jacobs Engineering, Inc., & Tetra Tech, Inc.

profile graphically illustrates the two dimensional vertical distribution of contamination within the plume.

The contaminant strength within the aquifer is greatest in the deepest portions of the aquifer, however, as a result of the close proximity of the Jagger Lane site to surface water streams, there is a potential for a localized upward groundwater flow component which may redistribute contaminants to shallower depths. The extent to which this redistribution of contaminants might occur is dependent upon seasonal and yearly rainfall, evaporation and transpiration fluctuations, and seasonal variations in water use from the private wells located at the site. The potential for contamination at each private well is expected to be related to the depth of the well.

1.3. Request For Assistance:

On January 22, 1986, the SCDHS formally requested a Comprehensive Environmental Response, Compensation and Liability Act of 1980 (CERLCA) Removal Action at the Jagger Lane, Westhampton Site in Town of Southampton, Suffolk County, New York (Appendix A).

On April 19, 1985, the Director of Division of Solid and Hazardous Waste for New York State Department of Environmental Conservation (NYSDEC) formally requested that the United States Environmental Protection Agency (U.S. EPA) assess a well documented incident of groundwater contamination affecting residents of Jagger Lane, Westhampton site for a CERCLA Removal Action (Appendix A). The request outlined a serious incident of drinking water contamination impacting 22 individual, private wells. These affected residents depended on the wells as their sole source of potable water supply and, as such, this groundwater contamination posed immediate and significant threat to human health.

An Action Memorandum was prepared to request funding authorization for an EPA Removal Action (Appendix B). On May 3, 1985, the Regional Administrator, EPA Region II, verbally authorized CERCLA funding for removal activities to provide an alternate safe source of potable water to residents threatened by the contaminated groundwater.

The primary objective of the proposed action is to mitigate the public health threat by provision of alternate and permanent source potable water

services to all residents in the risk area. To reach this objective, in a timely manner, an initial action called for the delivery of bottled water for drinking and cooking to those affected homes exceeding NYSDOH Guidelines for Drinking Bottled water was delivered on a weekly basis until a reliable alternate water source was installed.

This initial, temporary action was followed by the installation of a permanent reliable alternative water supply to the residents whose drinking water wells are at risk.

1.4. Enforcement:

On March 11, 1986, U.S. EPA Site Investigation and Compliance (SIC) Branch and the Office of Regional Counsel were notified verbally regarding a groundwater contamination site located at the Jagger Lane, Westhampton.

Information Request Letters have been sent to three parties by SIC under the Authority of Comprehensive Environmental Response, Compensation and Liability Act of 1980 (CERCLA) and Resource Conservation and Recovery Act (RCRA). These

parties are: Kneski Asphalt and Paving Company:  
Suffolk Life Newspaper and Southampton Municipal  
Sanitary Landfill operated by the Town of Southampton.

On June 12 and 13, 1985, EPA, Technical Assistance  
Team of EPA (TAT) and SCDHS conducted a sampling  
program to assist the enforcement related activities  
at Jagger Lane. The objective of this sampling  
program was to determine if volatile organic  
compounds are present in residual and/or waste  
materials remaining in selected subsurface sanitary  
disposal and drainage systems. The samples were  
collected from two parties which had been identified  
as potential sources of contributing to the  
contamination of groundwater (Appendix C).

The results obtained from these samples revealed  
the highest level present to be 67 ppb of toluene,  
a compound not present in the residential tap  
water samples.

## 2.0 SEQUENCE OF EVENTS:

1982 to 1985

The Suffolk County Department of Health Services (SCDHS) initiated a tapwater sampling program of private wells in the risk area. Results indicated elevated level of volatile organic compounds in these water samples.

January 1985

to

May 1985

The SCDHS had tested nearly 40 private wells, drilled approximately 30 test wells and analyzed samples attempting to define contaminant plume and identify possible source(s). Samples were analyzed for volatile organic compounds (VOCs) by the SCDHS's laboratory.

April 19, 1985

A request for a CERCLA Removal Action at the Jagger Lane, Westhampton Site was received by EPA Region II from the Division of Solid and Hazardous Waste Section of the NYSDEC.

May 3, 1985

The EPA Regional Administrator (RA) granted funding authorization verbally for an Immediate Removal Action.

May 8, 1985

A Delivery Order (6893-02-022) was issued to the Zone I Emergency Response Cleanup Service (ERCS) Contractor, O.H. Materials of Findlay, Ohio by the On-Scene Coordinator (OSC) to provide bottled water to the homeowners at the Jagger Lane, Westhampton Site.

May 10, 1985

The OSC, a representative from the EPA Office of External Programs (OEP), and a member of the Technical Assistance Team (TAT) notified the occupants of the affected residences via hand delivered letters to expect a weekly delivery of bottled water, free of charge.

Also on this date, the first delivery of bottled water was initiated. Each residents received up to 42 gallons of bottled water, (SCDHS recommended



one gallon of water per day should be allocated per residence).

May 10, 1985

OSC contacted the Suffolk County Water Authority (SCWA) officials with intent to achieve SCWA timely installation of water mains, taps, and meter boxes.

May 14, 1985

The EPA Regional Administrator authorized in writing the funding request for an Immediate Removal Action for an extension of the water main.

May 15, 1985

U.S. EPA issued a news release outlining the CERCLA Immediate Removal Action (Appendix D).

May 17, 1985

The OSC, a representative of the EPA-OEP and TAT notified the occupants of the affected residences via hand delivered letter confirming EPA's decision to extend the public water main to the Jagger Lane area. In addition, SCWA service application forms were delivered.

May 24, 1985

An EPA contracting Officer signed a letter contract with Town of Southampton (No. 68-62-0015) for the installation of potable water hookups for approximately 60 residences.

On this date, the EPA Contracting Officer also signed a letter contract (No. 68-62-0016) with SCWA to achieve timely installation of water mains, taps and meters.

June 3, 1985

Hampton Bay Water District (HBWD) of Town of Southampton initiated hook-up services at Jagger Lane, Westhampton Site.

June 12, 1985

As requested by the EPA-SIC Branch, a sampling program was conducted at two suspected properties for the evaluation of potential responsible parties associated with the source of groundwater contamination.

July 10, 1985

Elmore Associates Inc., Medford, New York. (subcontractor to SCWA) initiated water main installation at the Jagger Lane, Westhampton Site.

July 19, 1985

Elmore Associates Inc. completed the installation of 5,739 linear feet of water main and tie-in to the existing system.

July 23, 1985

SCWA flushed and chlorinated the newly installed water mains in the Jagger Lane, Westhampton Site.

August 19, 1985

The EPA Regional Administrator authorized additional Trust Fund Monies for Immediate Removal Activities at Jagger Lane Groundwater Contamination Site.

September 5, 1985

SCWA crews initiated tapping the water mains and installing water meter boxes.

September 13, 1985

SCWA completed Phase I of the project for the installation of the water main and 65 water meter boxes.

September 19, 1985

First home was hooked up to the public water supply system.

November 5, 1985

Elmore Associates Inc. initiated the water main installation at the Jagger Lane extension.

November 7, 1985

Elmore Associates Inc. completed the installation of an additional 1,453 linear feet of water main and tie-in the existing system.

November 22, 1985

The EPA Regional Administrator authorized a Six Month Time Extension to allow for continuation of Removal Activities at Jagger Lane Groundwater Contamination Site.

February 26, 1986

The EPA Regional Administrator authorized additional Trust Fund Monies for Immediate Removal Activities at the Jagger Lane Groundwater Contamination Site.

March 25, 1986

Southfork Asphalt Corporation (subcontractor to SCWA) completed the pavement restoration.

June 29, 1986

Landscape Associates (subcontractor to SCWA) completed restoration work for SWCA.

August 15, 1986

To date, a total of 78 homes were connected to public water supply (2 homeowners refused hookup and 1 homeowner is in negotiation).

### 3.0 SITE GEOLOGY

Long Island's major landforms includes ridges, valleys, and plains consisting of pleistocene glacial drift.

Pleistocene deposits overlies unconsolidated deposits of the Late Cretaceous Age. The Cretaceous strata overlies precambrian crystalline rocks. In the Jagger Lane, Westhampton site vicinity, the total thickness of the sediments is estimated to be 1,900 feet.

The groundwater reservoir system of Suffolk County is composed of hydrogeological units that include lenses and layers of clay, silt, clayey and silty sand, sand and gravel. Long Island's water supplies are developed principally from two major water-bearing aquifers (Nassau-Suffolk 208 Study):

- Upper Glacial and Magothy Aquifer
- Lloyd Aquifer

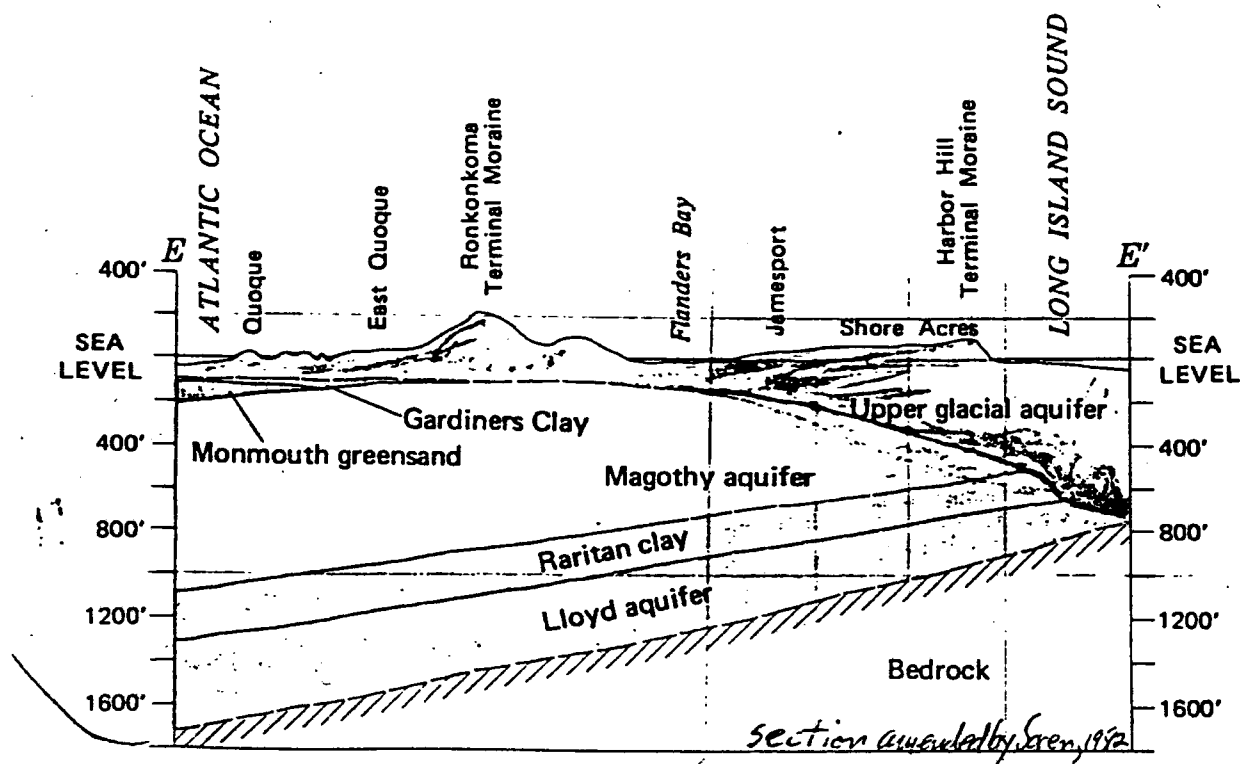
#### 3.1. Magothy Aquifer:

The Magothy Aquifer generally underlies the Upper Glacial Aquifer with some outcropping at the surface. The Magothy sediments are Cretaceous in age and of fluvial or deltaic origin. This aquifer is chiefly composed of undifferentiated deposit of

coarse to fine sand and gravel with lenses of interbedded silts, clays and lignite. Its surface is highly irregular due to erosion by streams and glaciers. A cross-section of Long Island through Quogue (east of Westhampton) illustrates important geological and hydrogeological units (Figure #7).

The Magothy Aquifer thickness is 900 feet in the southern part of the Suffolk County where the Jagger Lane Site is located. Hydraulic conductivity varies widely, with an average horizontal conductivity estimated to be about 50 feet per day, while the average vertical conductivity is about 1.4 feet per day (Jensen, 1976). However, outwash deposits make up most of the southern portion of the Long Island and they consist of very permeable sand and gravel with an estimated average horizontal hydraulic conductivity of about 270 feet per day (Franke, 1972). The vertical permeability is estimated to average about 27 feet per day. Wells in Magothy Aquifer commonly yield in excess of 1,000 gallons per minute, although the occurrence of freshwater is expected to be limited to the upper portion (Nemickas, 1982).

# JAGGER LANE HYDROGEOLOGIC SECTION



Source : USGS



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FIGURE 7

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N.Y.



Because it is shallow, the aquifer has become contaminated to various degrees. In some places it is unsuitable to use as source of potable water.

The Gardiners clay, is a marine deposit of clay and silt with some interbedded sand and gravel, which is quite extensive throughout the southern portion of Long Island. The thickness of the clay varies, and is estimated to be 50 feet in the Jagger Lane, Westhampton area (Jensen, 1974).

3.2. Lloyd Aquifer:

The Raritan Formation consists of the Lloyd Aquifer which is protected from contamination (alteration by civilization), primarily due to thick confining bed of Raritan clay which overlies the Lloyd in most cases, and impedes the exchange of water with the Magothy. Both of the members comprising the Raritan Formation are Cretaceous in age. The clay member is thick and continuous and acts as a seal above the Lloyd sand, thus creating an artesian aquifer. The clean sands of the Lloyd Sand Member have a low recharge rate due to the confining Raritan clay which is regionally extensive. The hydraulic conductivity of the Lloyd Aquifer is

estimated to be 270 gpd per sq. ft. in the site vicinity.

The thickness of the Lloyd Aquifer in the Jagger Lane site vicinity is reported to be approximately 400 feet. The top of this aquifer is at an elevation of approximately 1,300 feet below the mean sea level.

#### 4.0 THREAT ABATEMENT ACTION TAKEN

##### 4.1. Water Main Construction:

EPA contacted SCWA to furnish the necessary personnel, materials, services and facilities to install water mains in the risk area.

Subsequently on May 24, 1986, the U.S. EPA and SCWA entered into a Letter Contract (68-62-0016) for \$189,020.00.

Article I, statement of work states that:

"The contractor will furnish the necessary personnel, materials, services, facilities and otherwise do all things necessary for or incident to the performance of the work set forth below complete in place.

1. Provide and construct in place per standard specifications of the SCWA and project sketch No. CWB-854-C, water mains as follows:

Approximately 1,000 feet of 12-inch main on Montauk Highway westerly from an existing main

to Jagger Lane, 2,720 feet of 12-inch main to Jagger Lane southerly from Montauk Highway to Jagger Lane 2,720 feet of 12-inch main to Jagger Lane southerly from Montauk Highway to Sweet Grass Road, and 2,065 feet of 6-inch main on Windwood Court westerly, southerly and easterly from Jagger Lane to include all appurtenances except fire hydrants and fire connections.

2. Provide taps and meters for approximately 60 locations, as identified by the On-Scene Coordinator, along the route of the new water mains as detailed above.

3. Restore all public works and paving along the new pipeline route affected by the above work."

On August 22, 1986, the U.S. EPA and SCWA signed an amendment to contract #68-62-0016. Amendment states that:

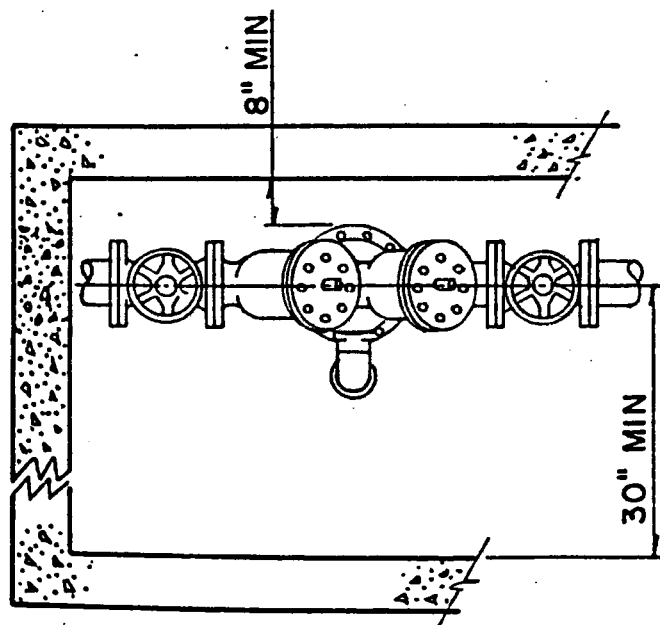
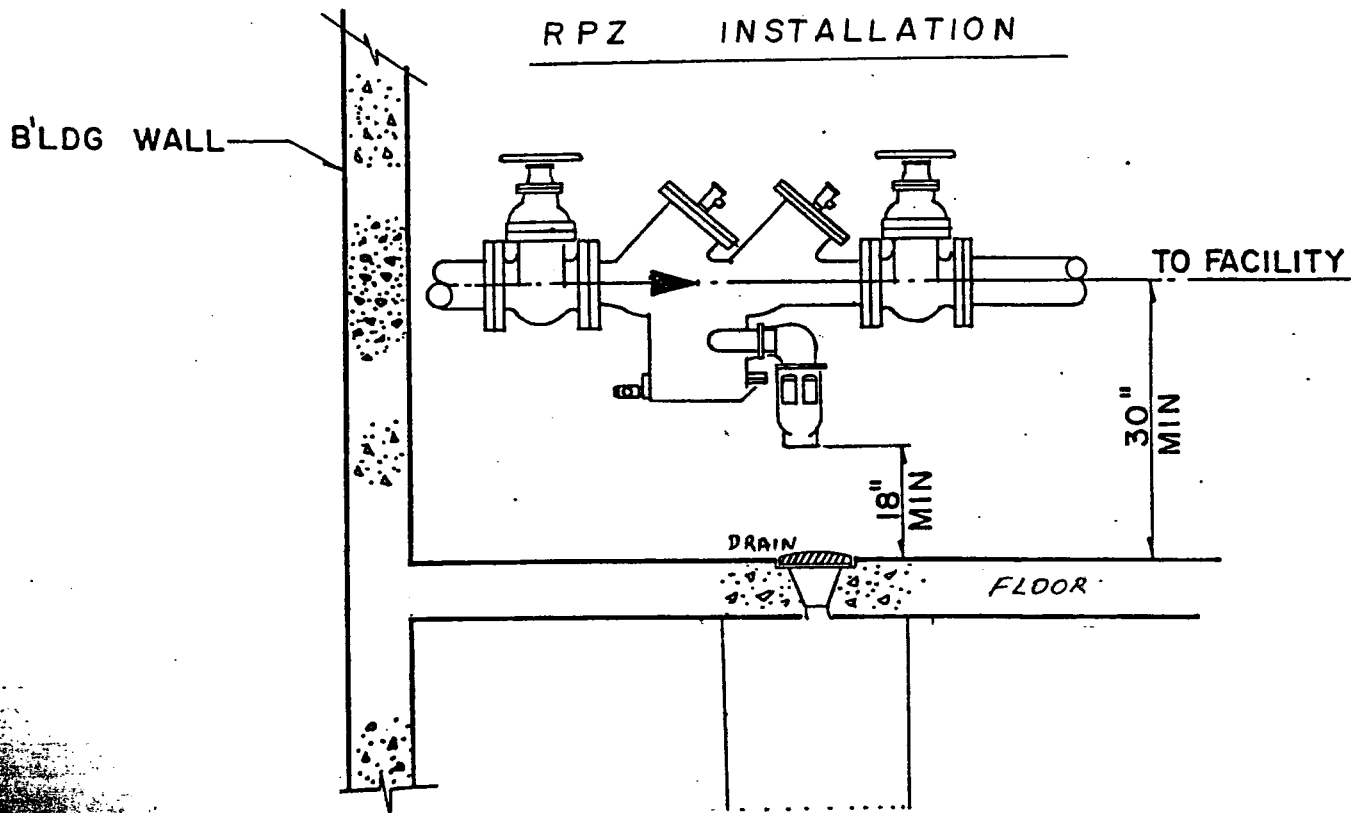
"Install approximately 830 feet of 12-inch water main on Jagger Lane s/f the existing 12-inch main to South Road and 582 feet of 12-

inch main on South Road to include all appurtenances except fire hydrants and fire hydrant connections; also provide taps and meters for eight (8) locations as specified by the On-Scene Coordinator".

Due to this amendment, the contract ceiling was raised to \$233,000.00. Figure #8 presents SCWA Cost Summary.


The SCWA was created by the Suffolk County Board of Supervisors in 1937. It operates for the benefit of the residents of Suffolk County by constructing, acquiring, developing and operating public water systems. It is a public benefit corporation and self supporting with all revenue coming from the sale of revenue bonds.

The SCWA provides water by utilizing wells at 159 pumping stations located throughout its distribution system. These wells range in depth from 50 feet to 700 feet. These pumping stations are capable of producing in excess of 564 million gallons of water daily.



SCWA.

PLAN

 <p>SPILL PREVENTION &amp; EMERGENCY RESPONSE DIVISION</p>	<p>EPA PM G. TAWADROS</p>	<p>FIGURE 9</p>
<p>In association with Engineering, Inc., &amp; Tetra Tech, Inc.</p>	<p>TAT PM A. SUER</p>	<p>JAGGER LANE N.Y.</p>

As of 1983, the SCWA serviced 256,531 customers, or an estimated 860,000 Suffolk County residents.

The sequence of water main construction included the following:

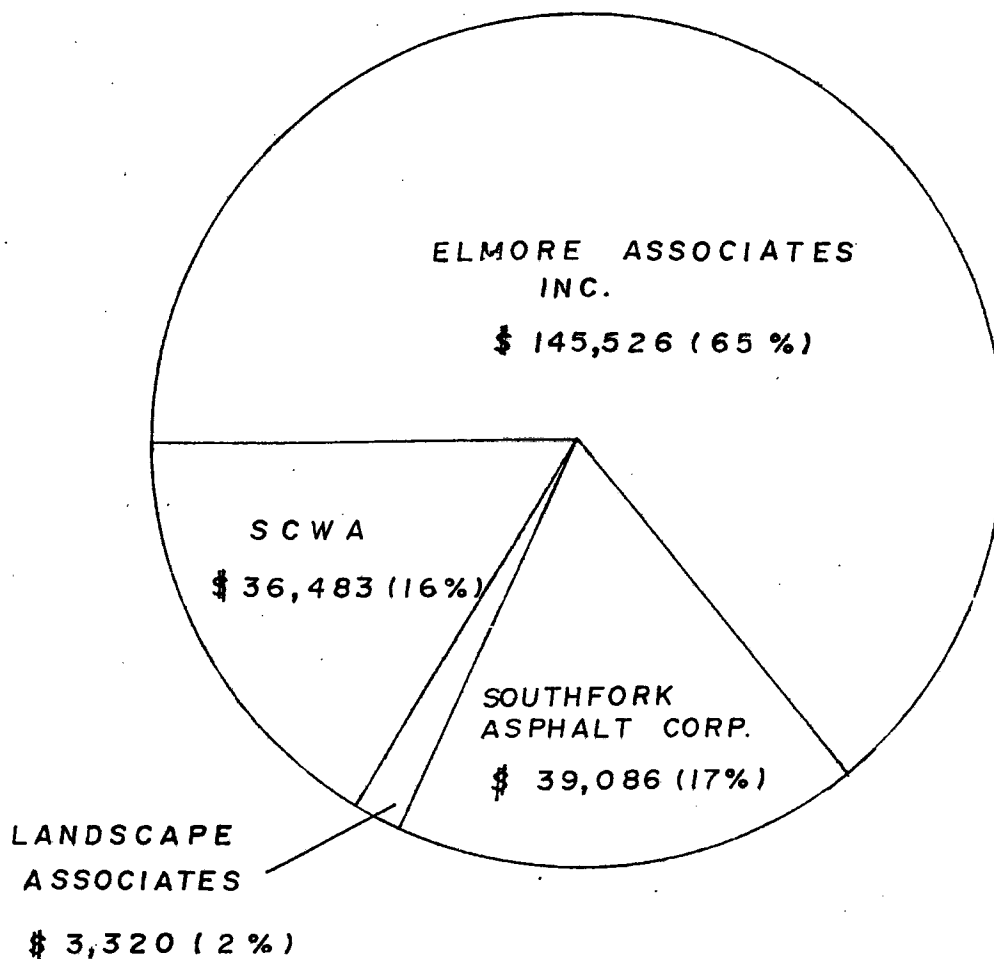
- Engineering survey and design (by SCWA)
- Breaking the pavement
- Excavation and backfilling trenches, disposing of surplus materials from trenches
- Ductile pipe placement
- Tie-in to existing water supply system
- Compacting trench
- Temporary pavement restoration
- Final pavement and road-shoulder restoration

The above construction work, except engineering survey and design work, was performed by Elmore Associates Inc., subcontractors to the SCWA (see photos 1 thru 10 in Appendix F).

Installation of water mains by the SCWA were initiated on July 10, 1985, and completed on July 19, 1986. Jagger Lane extension water main installation was initiated on November 5, 1985, and completed on November 7, 1985.

# SCWA COST SUMMARY

\$ 224,415



SPILL PREVENTION &  
EMERGENCY RESPONSE DIVISION

EPA PM  
G. TAWADROS

FIGURE 8

In association with  
ICF, Inc., Jacobs Engineering, Inc., & Tetra Tech, Inc.

TAT PM  
A. SUER

JAGGER LANE  
N.Y.



The pipe sizes and lengths are as follows:

<u>Pipe Size (Inches)</u>	<u>Length (Feet)</u>
6	2,039
12	<u>5,153</u>
Total	7,192

The subcontractor's (Elmore Associates, Inc.) activity during the installation of water mains was inspected by the On-Scene Coordinator, (OSC) with Technical Assistance Team (TAT) support, and the SCWA Inspector.

Subsequent to completion of water main installation, the line was chlorinated and flushed by the SCWA personnel. The amount of calcium hydrochloride was determined based on pipe size, length and to achieve minimum of 300 ppm residual chlorine. Calcium hypochlorite remained in the water main system about 24 hours; samples were then collected to verify the effectiveness of chlorination.

4.2. Residential Water Services:

EPA contracted the Town of Southampton to install the individual residential potable water hookups to connect SCWA mains to the affected homes. The Town Supervisor was authorized by a resolution of the Town Board to sign a letter contract with the EPA, to install, on a cost reimbursal basis. On May 24, 1985, a letter contract was signed with U.S. EPA (68-62-0015) for \$87,000.

Article I, statement of work include the following:

"Provide labor materials and equipment to install potable water hookups complete in place to homes in the Jagger Lane area Westhampton, New York, a total of about 50 locations, threatened by contaminated groundwater.

This work is to performed in accordance with the SCWA specifications and Exhibit A".

Specification - (Exhibit A) included the following:

"The contractor shall furnish all labor, material equipment and incidentals to perform all water service work for about 60 residences in the Jagger Lane area in the Town of Southampton, New York as specified herein as directed by the OSC. In general, the work at each residence shall include but not limited to the following

- a) Furnish and install underground Type "K" copper tubing water service line beginning at property line and terminating in the residence by connecting into the main water line emanating from the residential well.
- b) Complete disconnection and capping of the residential well for cross contamination control purposes immediately after water service is activated by the SCWA.
- c) Interior shut-off valve at the connection of water service line trenches.

- d) Complete restoration of trenches including topsoil, seeding or sodding, planting, repaving and all other work as may be required to restore each residential site to a like or better condition which existed prior to contractor's operations.
- e) Cutting, patching and building restoration of each residence at incoming water service entry point and for water line installation within the residence".

All residential service line work was accomplished by the Hampton Bay Water District (HBWD) personnel (subcontractor to Town of Southampton). During construction HBWD utilized local contractor RCR Construction Company, Hampton Bays. RCR Construction Company provided a backhoe/frontend loader with an operator.

Pursuant to a resolution passed by Town of Southampton Board, HBWD was established on September 5, 1930. It operates for the benefit of the residents of the Town of Southampton by constructing, acquiring, developing and operating public water systems.

For service line installations, HBWD followed "service pipe specification" by SCWA.

SCWA service pipe specification included the following:

- a) "All services pipes shall have a minimum cover of four and one-half (4-1/2) feet, except in cases where groundwater levels are such as to make such cover impractical".
- b) All service pipes shall not be less than 3/4 inch inside diameter and shall be of U.S. Government Specification Type "K" soft tempered copper tubing, or genuine galvanized wrought iron.

Service pipe was placed in a trench from the approximate property line to the premises. This work involved excavating the earth between the premises and the property line and running either minimum 3/4 inch, type "K" copper or minimum 1 inch plastic tubing in the trench. Each trench was approximately 12 inches in width and 54 inches in depth. Trenches

were dug either by hand or with a trencher machine. Additionally in some instances, to minimize damage to the property hole-hog was used. A hole-hog involves tunnelling approximately 3 inch-diameter hole between two points and placing service pipe, without any damage to the surface area.

All service pipe installation were inspected by the On-Scene Coordinator (OSC), with TAT support (see photos 11 thru 22 in Appendix F).

4.3. Tapping to Water Main and Installation Water Meter

Vaults:

The SCWA crews installed the service pipe and service connection between the water main and the property line. Tapping fee for 3/4 inch service was \$275, and 1-inch service was \$289. This fee included tapping of water main and installation of water meter vault for each residence. Each residence required an individual meter and separate service connection. Tapping into the water main was initiated on September 5, 1985, and completed on April 3, 1986.

Water meter vaults were installed by the SCWA crew in the public street boundary. The water meters were furnished and connected by the SCWA without cost to the EPA or the homeowners (see photos 23 through 28 in Appendix F).

4.4. Interior Water Service Line:

J. P. Mulvey Plumbing Company (subcontractor to RCR Contracting Company) completed the final hook-up after the water meters were placed in the water meter vaults by the SCWA crew.

Specification - (Exhibit "A") piping system (Section #2) included the following:

Interior water service lines shall be minimum 3/4" diameter and adapt to the size of the well discharge piping at the connection point to such piping and shall be Type "K", hard annealed copper piping conforming to ASTM Specifications B-42, latest edition, fittings shall be wrought copper, solder type, conforming to A.S.A. B-16.22. Solder joints shall be made with 95.5 tin and antimony. Provide gate valve at connecting point to existing piping

for shut-off purposes. Valves shall be solid wedge gate type, with rising spindle, cast bronze, non-heat hand wheel, 3/4" diameter, Jenkins Figure #1242 (solder ends) or approved equal. Provide all necessary unions, reducers and adaptors as maybe required to connect to interior lines of different materials and diameters."

The existing plumbing was connected to the new service line and the existing serive line from the well was disconnected and capped. This was part of the SCWA requirements to prevent cross-connection.

This final action, except where it required reduced pressure zone device, completed the tasks required to serve the residences in the risk area with safe potable water supply.

By August 15, 1986, all residences (except one) were hooked to the SCWA water supply system (see Photos 29 through 32 in Appendix F).



In summary (see Appendix E).

- 74 homes final tie-in services provided by the EPA
- 4 homes final tie-in services made by owner
- 2 homes final tie-in services refused by the owner
- 1 home final tie-in service is in progress (Castello).

4.5. Reduced Pressure Zone Devices:

In compliance with the requirements of the New York State Health Department, Suffolk County Department of Health Services and the Suffolk County Water Authority a reduced pressure zone (RPZ) device required for the purpose of complete containment of water on customers property for the following:

- Commercial customers
- Irrigation (sprinkler system)
- Industrial/manufacturing
- Swimming pool

All commercial units, homes with irrigation systems and/or pools required to have RPZ. All

RPZ applications accompanied by plans prepared by Louis K. Mclean Associates, Town Engineer and submitted to SCWA.

As a result of above requirement, 36 structures have been provided with RPZ units. RPZ units were installed on service line (Figure #9) in the building. No connections were permitted between the meter and RPZ device (see Photos 33 thru 34 in Appendix F).

In the Jagger Lane, Westhampton site, a total of 36 RPZ units were installed (for \$550/per unit installation).

4.6. Application For Water Services:

Prior to each service connections, the SCWA required that an application be submitted to the SCWA Westhampton Branch Office. This application included information such as owner name, address phone, etc.

4.7. Restoration In-Between Property Line:

Restoration work on the residential properties was completed by HBWD. Restoration work was simultaneous to service line construction. This work involved

restoration of trenches, including topsoil, seeding or sodding, planting, repaving driveways and all necessary work as may be required to return residential properties to pre-construction conditions. This task was conducted simultaneously during the construction of service lines.

The repaving of driveways was completed by two different paving contractors (subcontractor to HBWD). See Photos 35 thru 40 in Appendix F.

4.8. Restoration by the SCWA:

Road and paving restoration was completed by the Southfork Asphalt Corporation, East Hampton, New York (subcontractor to the SCWA). Restoration of all pavement along the water pipeline route affected by the construction was completed on March 25, 1986 (see Photos 41 thru 44 in Appendix F).

Restoration of trenches along the road shoulder and restoration around the water meter units completed by Landscape Associates, East Islip, New York (subcontractor to SCWA) (see Photos 45 thru 47 in Appendix F).

5.0 EFFECTIVENESS OF REMOVAL ACTIONS:

The removal action at the Jagger Lane, Westhampton site was an effective removal action for the following reason:

The removal action effectively eliminated the threat of direct contact from contaminated water to affected residences.. Residences in the risk area were provided with a safe water supply.

## 6.0 PROBLEMS ENCOUNTERED:

During the removal action, U.S. EPA encountered various types of problems. The problems are detailed below:

- a) SCWA did not notify the EPA until just before the work initiated or during the actual work. This was partly due to scheduling of subcontractors by the SCWA. There was three (3) subcontractors involved:
  - Water main installation (Elmore Associates, Inc.)
  - Pavement restoration (Southfork Asphalt Corporation)
  - Landscape restoration (Landscape Associates)

This problem created manpower scheduling problems and additional substantial cost for EPA and TAT.

- b) HBWD performed all water service line work and restoration in between the property line. However, RCR Contracting Company (subcontractor to HBWD) was not cooperative in scheduling work, and gave no priority to final tie-in work.

This problem created considerable delays, manpower scheduling problems and substantial additional cost for EPA and TAT.

- c) Severe winter weather condition also caused delay for the project. At one time SCWA encountered 24 inch depth frost during the water meter vault construction. They utilized jack-hammer for digging/trenching. Additional cost were incurred by EPA and TAT because of weather conditions.
- d) Homeowners were uncooperative regarding the scheduling of the final tie-in and were relatively inaccessible due to their principal residences being located outside of Westhampton. This has resulted in an increase in costs incurred by EPA and TAT due to its having to expend a greater amount of its resources to contact and inform residents of Jagger Lane.
- e) Homeowners generally were dissatisfied with the final restoration work. Some homeowners even threatened law suits against EPA although there is no basis for their claims.

During the installation of hookups to new water main, several flag-lots which have long driveways, were slightly damaged and were in need of restoration work. However, homeowners demanded extensive restoration work. This has resulted in additional cost and cost for TAT coverage of this action.

## 7.0 RECOMMENDATIONS:

The continued presence of the EPA/TAT in the affected area allowed the OSC to build confidence within the community, address any problems promptly and define the EPA role and intent during the action. This kind of personal contact should continue for future removal actions.

Based on the experience at Jagger Lane, Westhampton site, better cooperation between the SCWA and EPA should be developed prior to and during, future emergency removal actions. However, the SCWA holds the opinion that all water main installations are critical, and each is just as important as the next. Therefore, they respond to the workload on a first-come first-serve basis. Since Section 104(c) of CERCLA requires a six (6) month time limit on all Immediate Removal action, time delays by the constraints SCWA create problems. This could be resolved by conducting a high level meeting between EPA, the Suffolk County Executive Office and the SCWA.

During the installation of hookups to water main, where flag-lots are involved a "Release Agreement" should be signed prior to any construction work. This agreement



protects EPA against unreasonable claims. Such agreements were signed with two (2) property owners (Appendix I).

8.0 FINAL FINANCIAL REPORT: (Figure #10)

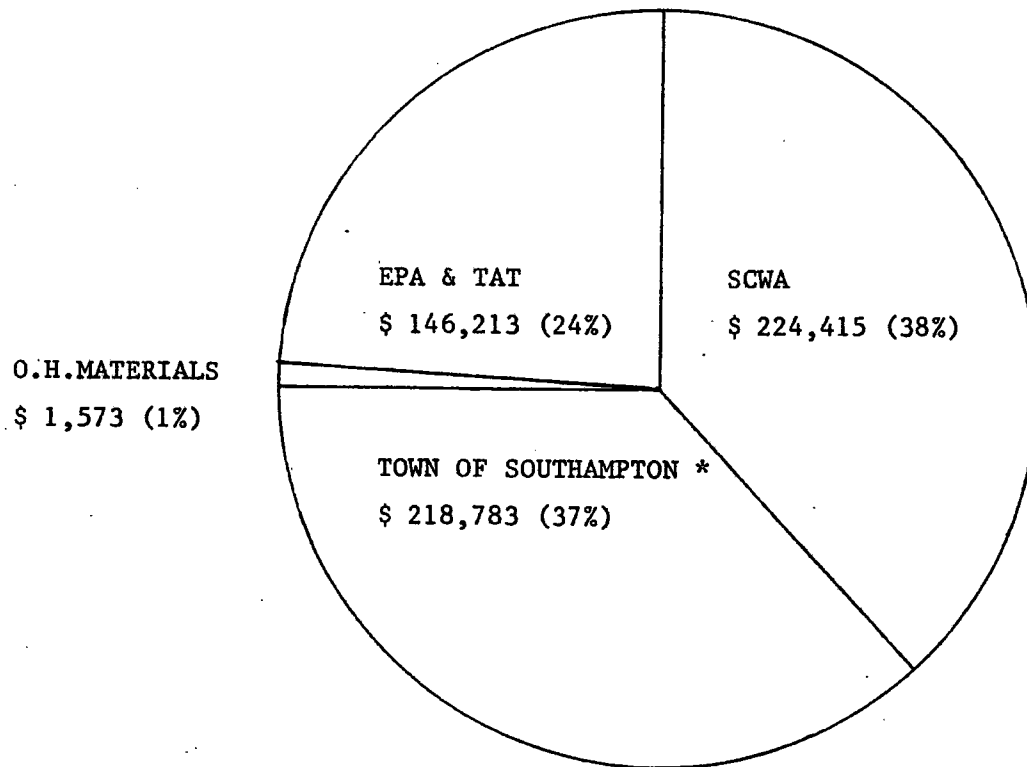
A.	Total Funds (Extramural) Authorized for Mitigation Contracts (Trust Funds)	\$ 671,000
B.	Expenditures for Mitigation Contracts	
1.a.	Amount Obligated to O.H. Materials for Bottled Water Delivery Order #6893-02-022 DCN #KCS 467	5,000
1.b.	Estimated Expenditures For DCN #KCS 467 As of 12/18/86	1,573
1.c.	Balance Remaining For DCN #KCS 476	3,427
2.a.	Amount Obligated to Town of Southampton for Hookups Delivery Order #68-62-0015 DCN #KCS 345	226,869
2.b.	Estimated Expenditures for DCN #KCS 345 As of 10/27/86 (Awaiting final billing)	218,783
2.c.	Balance Remaining for DCN #KCS 345 As of 10/27/86	8,086
3.a.	Amount Obligated to Suffolk County Water Authority Contract for Water Main Installation Contract #68-62-0016 DCN #KCS 514	244,045
3.b.	Estimated Expenditures for DCN #KCS 514	224,415
3.c.	Balance Remaining For DCN #KCS 514	19,630
C.	Unobligated Balance Remaining	35,460

D.	Estimate of Total Expenditures To Date For All Mitigation Contracts	444,771
E.	Other Extramural Costs	
	1. TAT, Salary/Travel As of 10/28/86	104,135
F.	Intramural Removal Costs	
	1. EPA, Salary/Travel As of 09/30/86	42,078
G.	Total Expenditures and Percentage of \$1,000,000	\$ 590,984 (59.1% M)
H.	Percentage of Total Project Ceiling	88.1%

# JAGGER LANE

## PROJECT COST

\$ 572,754 \*



\* Project Cost as of October 28, 1986(Awaiting final billing).



SPILL PREVENTION &  
EMERGENCY RESPONSE DIVISION

In association with  
ICF, Inc., Jacobs Engineering, Inc., & Tetra Tech, Inc.

EPA PM

G. TAWADROS

TAT PM

A. SUER

FIGURE 10

JAGGER LANE  
N.Y.

APPENDIX A  
IMMEDIATE FUNDING REQUEST  
FROM NYSDEC

OSC REPORT  
JAGGER LANE  
WESTHAMPTON. NY

APR 22 '85 03:55 N.Y.S. DEC. CENTRAL OFFICE

New York State Department of Environmental Conservation  
60 Wolf Road, Albany, New York 12233-0001



Henry G. Williams  
Comptroller

APR 19 1985

Mr. William Librizzi  
Director  
Office of Emergency & Remedial Response  
U.S. Environmental Protection Agency  
Region II  
25 Federal Plaza  
New York, NY 10278

Dear Mr. Librizzi:

Re: Requests for Removal Actions  
Suffolk County, New York

Enclosed are eight separate requests for removal actions in Suffolk County, New York. These eight locations have been described to us, by the Suffolk County Department of Health Services (SCDHS), as being in need of removal action.

After the meeting with Mr. Fred Rubel, of your staff, and Department of Environmental Conservation staff on April 10, 1985 in Albany, New York, guidelines were established for the submittal of requests for removal actions to your office. These eight requests are being forwarded to you in accordance with these guidelines. The following is a list of the eight sites enclosed and rationale for their submittal.

1. Windus Drive, Shirley, New York - exceeds 10-day SNARLS;
2. Jagger Lane, Westhampton, New York - exceeds 10-day SNARLS;
3. Spur Drive South, Bayshore, New York - exceeds 10-day SNARLS;
4. Meadow Glen Road, Fort Solonga, New York - exceeds 10-day SNARLS;
5. Sawks Avenue, Deer Park, New York - exceeds 10-day SNARLS;
6. North Ocean Avenue, Medford, New York - exceeds 10-day SNARLS;
7. Oak Street and Hanover Place, Medford, New York - exceeds NYS drinking water standards; and
8. Farm Road West, Wading River, New York - exceeds NYS drinking water standards.

All sampling data was previously submitted to EPA directly by the Suffolk County Department of Health Services and is currently in the possession of Mr. Fred Rubel and staff.

Number six above is apparently a problem of a leaking, underground storage tank, more appropriately the responsibility of our Division of Water. By copy of this correspondence, I am notifying them of this problem.

Number eight above is alleged to be caused by the application of agricultural pesticides. We are, again, by copy of this correspondence, notifying our Division of Natural Resources of this problem for their information and appropriate action.

If you have any questions, please contact Mr. Walter Denick, at (518) 457-9538.

Sincerely,



Norman H. Rosenchuck, P.E.  
Director  
Division of Solid and Hazardous Waste

Enclosures

cc: w/enc. - D. Barolo, Division of Water  
M. VanValkenburg, Division of Natural Resources

APPENDIX B  
ACTION MEMO  
IMMEDIATE FUNDING REQUEST

OSC REPORT  
JAGGER LANE  
WESTHAMPTON, NY



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

DATE:

14 MAY 1985

Region II

SUBJECT:

Immediate Removal Funding Request for Jagger Lane  
Groundwater Contamination Site, Westhampton, Suffolk  
County, Long Island, New York - ACTION MEMORANDUM

FROM:

*W. Gad Tawadros*  
W. Gad Tawadros, On-Scene Coordinator  
Response and Prevention Branch

TO:

Christopher J. Daggett  
Regional Administrator

THRU: William J. Librizzi, Director  
Emergency and Remedial Response Division

I. PURPOSE:

A request for an EPA Removal Action at Jagger Lane, Westhampton, Suffolk County, Long Island, has been received from the New York State Department of Environmental Conservation. The request, dated April 19, 1985, was signed by Mr. Norman Nosenchuck, Director, Division of Solid and Hazardous Wastes. Sampling of 30 private wells was conducted in 1982 by the Suffolk County Department of Health Services (SCDHS). In addition, one private well was resampled in August, 1984. Subsequent sampling of 33 private wells at the site area was also conducted by the SCDHS, from January through April, 1985. Table 1 presents a summary of groundwater sample analytical results obtained for each contaminated private well sampled to date.

The data set which was utilized to prepare this request for immediate removal funding includes the 1985 data obtained from the 33 sampled private wells, the 1984 data from the one private well and the 1982 data obtained from 9 private wells which were not resampled in 1985. In addition, analytical results obtained from groundwater sampling of test wells completed at the site by SCDHS are presented to document the high levels of contaminants present in the contaminant plume (Table 2).

Table 1

Jagger Lane, West Hampton, New York  
Summary of Reported Concentrations of  
Six Volatile Organic Contaminants  
Found In Residential Wells<sup>1</sup>

Resi- dential Well	Sample Date	1,2- Dichloro- ethane	1,1,1- Trichloro- ethane	1,1,2- Trichloro- ethylene	Cis- Dichloro- ethylene	Tetrachloro- ethylene	1,1- Dichloro- propane	Total Con. of VOC's
Duprez	3/8/82	4	-	-	-	-	550*	554*
	3/11/85	-	-	-	-	-	-	-
Schneider	5/6/82	-	-	4	-	-	37	41
Hallinan	11/17/81	-	-	10	-	-	-	10
	2/27/85	-	-	-	-	-	3	3
Bartko	3/16/82	-	-	9	-	-	-	9
Smith	3/8/82	-	-	17	-	2	-	19
	4/-/85	-	-	69*	-	2	25	96
Plank	2/10/82	-	-	500*,**	-	47	-	547*
	3/11/85	-	-	35	-	-	-	35
Bengualid	6/7/82	43	35	3300*,**	-	180*,**	-	3558*
	8/-/84	-	-	140*	-	-	-	140*
Hopkins	12/12/83	-	-	3	4	-	-	7
Leveen	3/8/82	-	5	-	-	-	-	5
Glasky	6/29/82	10	-	560*,**	59*	20	-	649*
	3/11/85	-	-	140*	3	4	47	197*
Hadlock	3/12/82	-	-	240*,**	-	3	-	243*
	2/27/85	-	-	-	-	-	-	-
Scammell	8/17/82	-	-	540*,**	-	-	-	540*
	3/11/85	-	-	22	-	-	-	22
Fugelsang	10/18/82	-	-	42	-	-	-	42
Barnet	6/29/82	-	-	41	-	-	-	41
Sposato	2/27/85	-	-	2000*,**	420*,**	21	9	2472*
	1/28/85	-	-	-	-	-	49	49
Wolff	2/20/85	-	-	10	-	-	3	13
Abbate	2/27/85	-	-	5	-	-	26	31
Nowak	2/20/85	-	-	6	-	-	-	6
Stasse	3/11/85	-	-	-	-	-	7	7
Finkelstn	3/11/85	-	-	46	-	-	26	72
Kempster	4/-/85	-	-	12	-	-	57*	77
Rogers	4/-/85	-	-	54*	-	-	19	77

- 1 Sampling and analysis conducted by Suffolk County  
Department of Health Services. All values are in  
ppb; - = Not detected.
- 2 Residences to receive bottled water indicated by underlined names.
- \* Concentration exceeds NYSDOH guideline for determining  
water unfit for drinking or cooking.
- \*\* Concentration exceeds 10-Day EPA SNARLS.

TABLE 2  
Summary of Groundwater Sampling Well Water Quality Data

<u>Well No.<sup>1</sup></u>	<u>Sample Depth (Feet)</u>	<u>1-1-2 Tri-chloroethylene</u>	<u>Cis-Dichloroethylene</u>	<u>Tetrachloroethylene</u>	<u>1-2 Dichloropropane</u>	<u>Total Conc. of VOC's</u>
SL-1A	21	16	-	-	-	16
	42	15	-	-	-	21
	63	680	-	66	6	746
	84	320	-	30	-	350
	105	-	-	-	-	-
	125	-	-	-	-	-
SL-2	24	-	-	-	-	-
	45	-	-	-	-	-
	65	-	-	-	57	57
	75	-	-	-	-	-
JA-3	23	-	-	-	-	-
	44	-	-	-	-	-
	65	26	-	8	26	60
	82	-	-	-	-	-
JA-4	23	-	-	-	-	-
	44	-	-	-	-	-
	65	250	3	10	6	269
	75	1300	190	66	34	1590
JA-6	23	10	-	-	-	10
	44	3	-	-	-	3
	65	710	-	12	-	722
	75	110	-	-	-	110
	96	-	-	-	-	-
	107	-	-	-	-	-
JA-13	28	-	-	-	-	-
	44	-	-	-	-	-
	65	66	-	-	-	-
	86	3	-	-	32	98
	96	-	-	-	-	3
JA-17	28	-	-	-	-	-
	44	-	-	-	-	-
	65	-	-	-	-	-
	86	6	-	-	-	6
	96	33	-	-	-	33

- = Not Detected.

<sup>1</sup>All samples collected by Suffolk County Department of Health Services, January through April, 1985.

TABLE 2 - (CONTINUED)  
Summary of Groundwater Sampling Well Water Quality Data

<u>Well No.<sup>1</sup></u>	<u>Sample Depth (Feet)</u>	<u>1-1-2 Tri-chloroethylene</u>	<u>Cis-Dichloroethylene</u>	<u>Tetrachloroethylene</u>	<u>1-2 Dichloropropane</u>	<u>Total Conc. of VOC's</u>
JA-18	26	-	-	-	-	-
	44	-	-	-	-	-
	65	4	-	-	-	8
	86	7	-	-	-	7
	96	2	-	-	-	2
JA-19	29	-	-	-	-	-
	46	-	-	-	-	-
	66	3	-	-	-	3
	86	24	-	-	-	24
	96	-	-	-	-	-
JA-23	49	-	-	-	-	-
	70	3	-	-	-	3
	91	4	-	-	-	4
	112	8	-	-	-	8
	124	-	-	-	-	-
JA-24	33	-	-	-	-	-
	56	-	-	-	13	13
	76	-	-	-	100	100
JA-25	26	-	-	-	-	-
	44	-	-	-	-	-
	65	-	-	-	-	-
	86	910	-	13	-	923
JA-26	22	-	-	-	-	-
	44	-	-	-	-	-
	65	9	-	-	-	9
	86	1200	-	-	-	1200
	107	12	-	-	-	12
FW-1*	Unknown	-	-	-	3	3
FW-2*	Unknown	-	-	-	-	-
FW-4*	Unknown	-	-	-	-	-

- = Not Detected.

<sup>1</sup>All samples collected by Suffolk County Department of Health Services, January through April, 1985.

\*Existing Fire Well.

From the above-described data set a total of 22 homes have shown contamination at one time or another at the tap with toxic organic chemicals (Table 1). EPA's 10-Day SNARLS (Suggested No Adverse Response Levels) were exceeded in 6 of the 18 affected residential wells at one time or another, although 1985 sampling indicated only one supply well exceeded the 10-Day SNARL. Based on the latest sampling for each residence a total of six (6) wells show contamination by volatile organic compounds (VOC) at or above the State Department of Health (NYSDOH) limits for potable water.

The resident population at risk currently relies on their wells as their sole source of potable water and, as a result, this groundwater contamination poses an immediate and significant threat to human health. An immediate removal action under the Comprehensive Environmental Response Compensation and Liability Act of 1980 (CERCLA) is recommended to provide protection to affected and threatened residents.

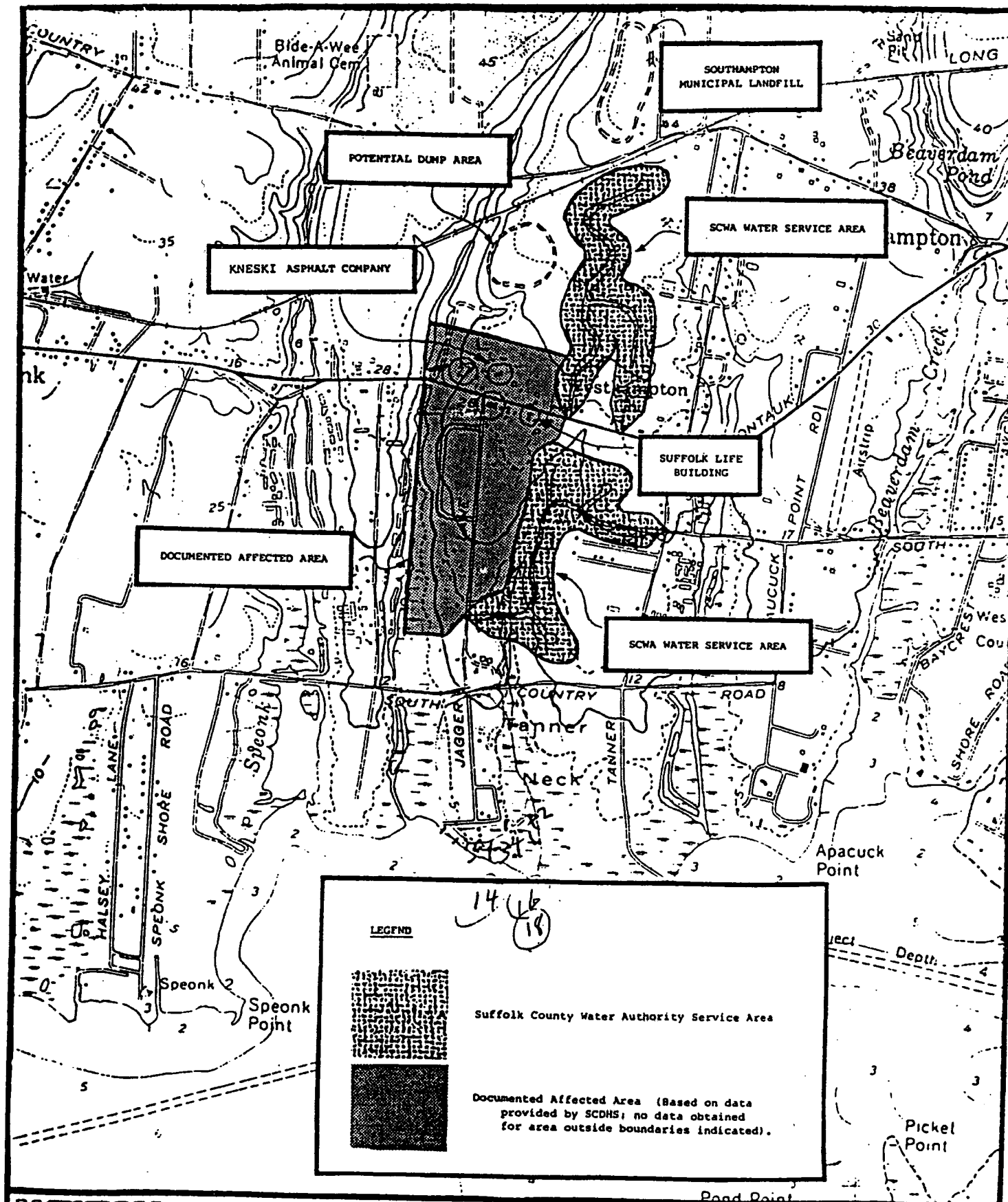
## II. BACKGROUND:

### A. Site Setting/Description:

The area of groundwater contamination includes portions of Jagger Lane (between Montauk Highway and South Country Road), Windwood Court, and Montauk Highway (near Jagger Lane) in the Village of Westhampton, located in the Township of Southampton, Suffolk County, New York (Figure 1). The area is suburban residential with some commercial facilities located along Montauk Highway. The Suffolk County Water Authority (SCWA), an autonomous subunit of county government, owns and operates the public water supply distribution system which services Suffolk County. At this time, the affected area is not serviced by the public water supply. The nearest water mains are located approximately 1,000 feet east of Jagger Lane at the intersection of Montauk Highway and approximately 1,000 feet east of Jagger Lane at the intersection of Sweetgrass Road (Figure 2).

### B. Quantity and Types of Substances Present:

Six major designated hazardous substances have been identified in the affected wellwater. These are:



**WESTON**

SPILL PREVENTION &  
EMERGENCY RESPONSE DIVISION

In association with  
ICF, Inc., Jacobs Engineering, Inc., & Tetra Tech, Inc.

EPA PM

W. G. Tawadros

TAT PM

N. DeRose

Figure 2:

Location of Documented  
Affected Area and Water Service Area





<u>Contaminant</u>	<u>Maximum Concen- tration Found (ppb)</u>	<u>Statutory Source for Designation Under CERCLA</u>
1,2-Dichloropropane	57	Clean Water Act, Sec. 307(a)
Trichloroethylene	3,300	Clean Water Act, Sec. 311(b)(4)
Tetrachloroethylene	180	Clean Water Act, Sec. 307(a)
1,2-Dichloroethane	43	Clean Water Act, Sec. 311(b)(4)
Trichloroethane	35	Clean Water Act, Sec. 307(a)
Cis-dichloroethylene	420	Clean Water Act, Sec. 307(a)

Concentrations of total volatile organics in samples of contaminated wellwater, at the tap, ranged from a low of 3 ppb to a high of 3,558 ppb and averaged about 465 ppb. Table 3 presents a listing of the 6 major compounds and a summary of selected water quality standards for each compound. Table 4 summarizes the toxic properties associated with each of these compounds.

C. This site is not on the National Priorities List (NPL).

### III. THREAT:

#### A. Threat of Public Exposure:

Sampling of 30 private wells, at the tap, was conducted during 1981, 1982, and 1983 by the Suffolk County Department of Health Services (SCDHS). Twenty-eight of the wells were sampled during 1982. The SCDHS analyzed the collected samples to detect the presence of volatile organic chemicals commonly found contaminating Long Island groundwater. This analysis includes testing for the presence of 52 volatile organic compounds. Analytical work was completed by

Table 3

Summary Of Maximum Reported Contaminant Concentration  
At Jagger Lane - West Hampton Site and Drinking Water Quality Standards<sup>1</sup>

Volatile Organic Contaminant (SYNONYM)	Maximum Reported Concentration <sup>2</sup>	EPA      SNARLS <sup>3</sup>			Proposed Water Quality Criteria <sup>4</sup>		NYSDOH Guideline <sup>5</sup>
		1 Day	10 Day	Chron	Cancer Risk	Tox.	
1,2-Dichloroethane (Ethylene Chloride) <sup>8</sup>	43	N/A <sup>6</sup>	N/A	N/A	0.94	N/A	50
1,1,1-Trichloroethane (Methyl Chloroform) <sup>8</sup>	35	N/A	N/A	1000	N/A	18,400	50
1,1,2-Trichloroethy- lene <sup>8</sup>	3,300	2,000	200	75	2.7	N/A	50
Tetrachloroethylene (Perchloroethylene) <sup>7</sup>	180	2,300	175	20	.8	N/A	50
Cis-Dichloroethylene (1,2-Dichloroethylene) <sup>8</sup>	420	4,000	400	N/A	N/A	N/A	50
1,1-Dichloropropane <sup>9</sup>	57	N/A	N/A	N/A	N/A	200	50

<sup>1</sup> All values (concentrations) are in ppb.

<sup>2</sup> Based upon results of residential well sampling conducted by Suffolk County Department of Health Services.

<sup>3</sup> Suggested No Adverse Response Levels (SNARLS) developed by the EPA's Office of Drinking Water based on exposure to a 10 Kg child.

<sup>4</sup> Proposed Water Quality Criteria from EPA's Office of Water Planning and Standards, Division of Criteria and Standards. If levels are maintained below these criteria, it is predicted that the result will be (a) less than 1 extra cancer per one million exposed population or (b) no adverse non-cancerous health effects. Both cancer risk and adverse non-cancerous health effects (TOX) values assume consumption of fish as contributing to uptake of a chemical.

5 New York State Department Of Health (NYSDOH) Guideline  
for determining water unfit for drinking, or cooking.  
NYSDOH Guidelines for any single organic contaminants uses  
50 ppb as a value not to be exceeded.

6 NA=Not Available.

7 Sample Date - 6/7/82.

8 Sample Date - 2/27/85.

9 Sample Date - 3/11/85.

Table 4

Summary Of Toxicological Characteristics Of  
Six Volatile Organic Contaminants At The Jagger  
Lane - West Hampton Site, New York

Contaminant	Toxic Properties <sup>1</sup>
1,1,1-Trichloro-ethane	Skin absorption presents a limited health hazard. May cause irritation or burning of skin as a result of prolonged or frequent exposure. May cause cardiac arrest when massively inhaled. Fatty degeneration of liver has occurred after chronic exposures to 1000 ppm.
1,2-Dichloro-ethane	Moderately toxic when inhaled or by absorption. Mild skin irritant.
1,1,2-Trichloro-ethylene	Highly toxic when inhaled at high concentrations. Moderately toxic by other routes. Chronic inhalation or skin absorption are only slightly hazardous. Potentially carcinogenic and mutagenic.
Tetrachloro-ethylene	Highly toxic by ingestion at high levels. Moderately toxic by other routes at high levels. Moderately toxic from chronic exposure by all routes. Potentially carcinogenic and mutagenic.
Cis-Dichloro-ethylene	At acute levels, moderately toxic via inhalation, ingestion, or skin contact. Chronic or repeated exposures are hazardous. May release explosive chloroacetylene by contact with copper or copper alloys. A mutagenic agent in animals.
1,1-Dichloro-propane	Moderately toxic by ingestion, inhalation and skin absorption.

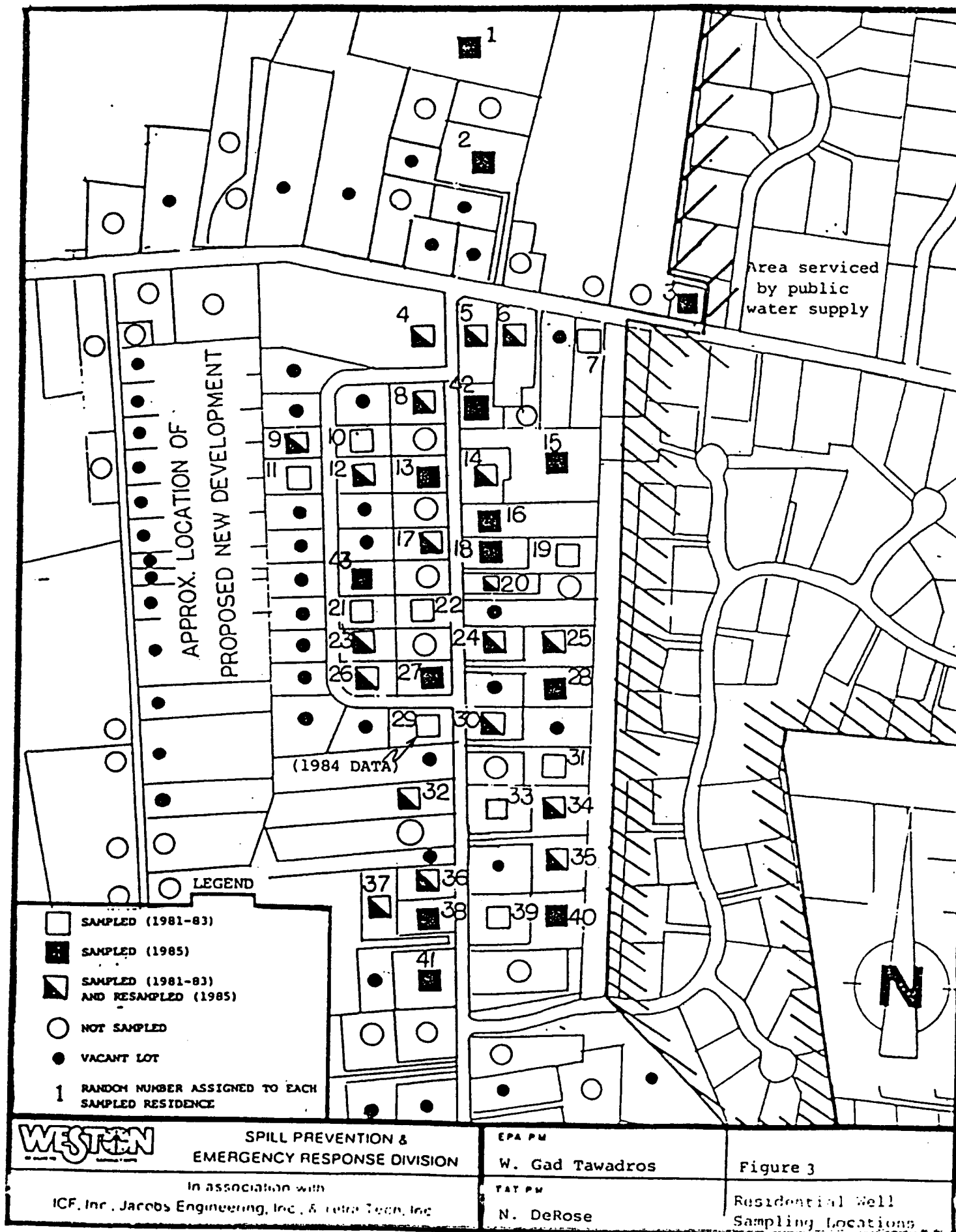
<sup>1</sup>Based upon information obtained from the "Chemical Information System" data base as provided by CIS, Inc.

SCDHS' Laboratory which is certified by the New York State Department of Health. The results showed 14 private wells contaminated by toxic organic compounds. The well which was reportedly contaminated at the highest level was resampled in August, 1984 and found to decrease in contaminant strength (Table 1).

In January 1985, a well installed at a newly constructed residence was also sampled and analyzed by SCDHS and found to be contaminated. During February through April, 1985, 32 private wells were sampled by SCDHS. Twenty (20) of these wells were previously sampled during 1981, 1982, and 1983. Table 1 presents concentrations of the major volatile organic compounds found in the residential wells. Figure 3 shows the locations of the sampled residential wells, and Figure 4 summarizes the levels of contamination reported for each well based upon results obtained from the 33 wells sampled in 1985, the one well sampled in 1984 and the 9 wells sampled in 1982 which have not been resampled to date. Appendix A presents a list of each residence sampled and includes the resident's name and address as well as a summary of the water quality analytical results.

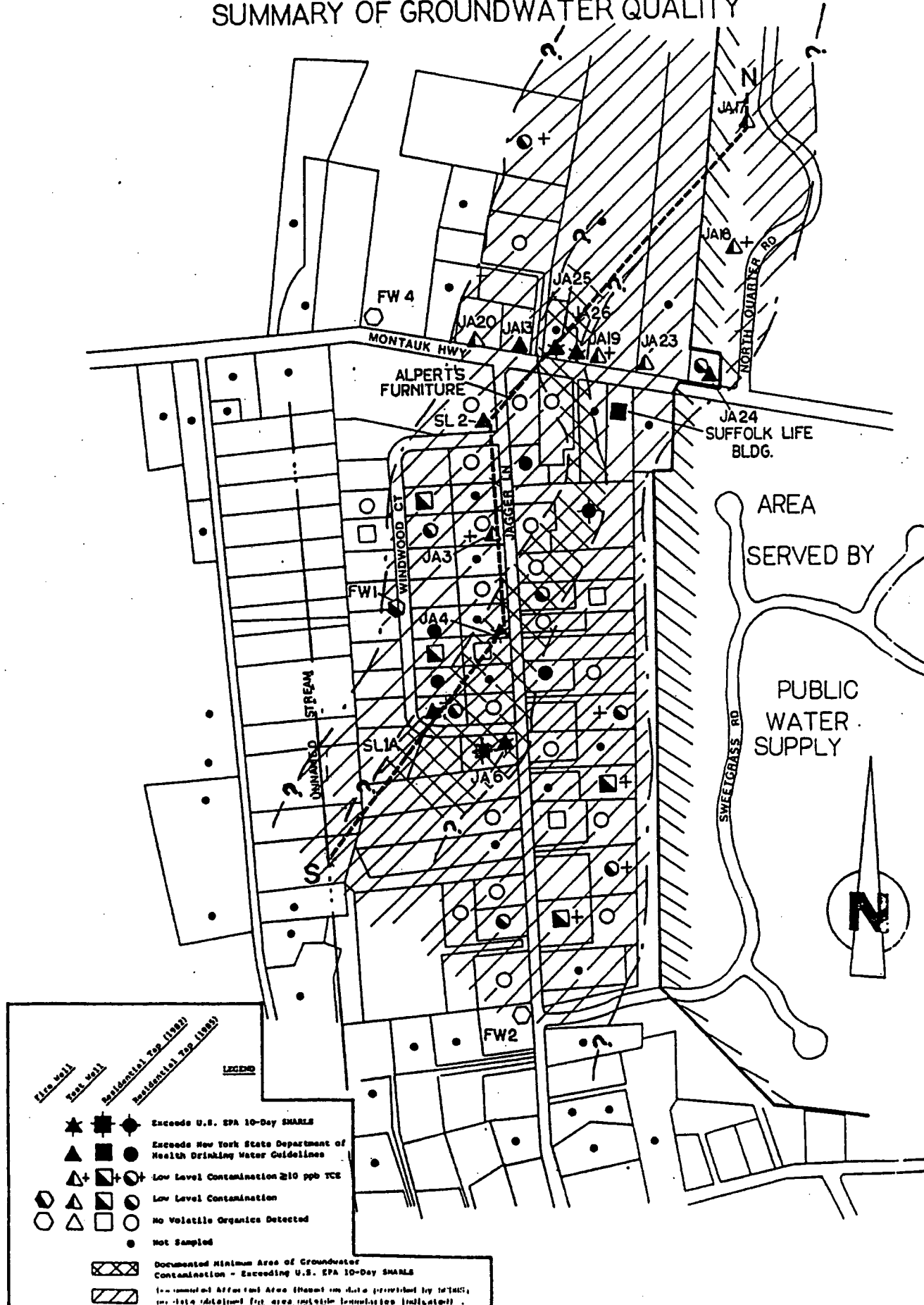
Comparison of the recent data for the twenty re-sampled homes with the previous sampling and analytical results, shows significant variations in levels and locations of contaminants. These variations may be the result of deeper vertical migration of the contaminants, changes in the lateral direction of groundwater flow, or the episodic release of contaminant pulses from the source(s). Present data, summarized in this report, does indicate levels of volatile organic compounds at the site area in excess of the EPA 10-Day SNARLS, detected at 5 test drilling sites sampled by SCDHS and in one residential well.

In addition to the potential for exposure through drinking the water or eating food prepared with the water, tests have been conducted at Pomona Oaks, New Jersey which showed that when showering with water contaminated with volatile organics the levels of the contaminants in the air becomes significantly elevated.



# FIGURE 4

## SUMMARY OF GROUNDWATER QUALITY



The presence of several chlorinated hydrocarbons chemicals within the groundwater also poses a potential for synergistic toxic effects resulting from exposure to a combination of these compounds.

B. Evidence of Extent of Release:

Sampling and analyses of residential wells by SCDHS has identified a plume of contaminated groundwater as described in Section III-A. In addition, approximately 15 groundwater sampling wells were installed by SCDHS during March and April, 1985, at the site area. Additional sampling wells may be installed as part of this investigation. The intent of installing these wells is to define the extent of groundwater contamination and to possibly locate the source(s) which are believed to be located north of the contamination area. Most recent sampling results obtained from the test wells indicate that the source of contamination is located north of Montauk Highway. Potential sources may include a local asphalt company, the Southampton Municipal Landfill and unreported illegal dumping or waste disposal (Figure 2).

Preliminary review of groundwater quality data from samples obtained at the well locations appears to correlate with the lateral distribution of contaminants indicated by the 1985 residential well sampling and analysis. Locations of the groundwater sampling wells are shown on Figure 4. Additional wells are located north of the site area. Water quality data obtained from sampling of the wells is presented in Table 2.

Five (5) of the test wells are contaminated by volatile organic compounds to levels in excess of the EPA 10-Day SNARLS. Highest contaminated strengths were encountered at depths generally between 50 and 90 feet below the ground surface. Figure 4 also presents an approximate outline of the minimum site area characterized by contamination in excess of the EPA 10-Day SNARLS as determined from residential well water sample analysis and/or samples obtained from groundwater sampling wells. The lateral extent of this area has not



been defined due to the limited number of sampling points located outside of this area.

C. Previous Actions to Abate Threat:

SCDHS has advised residents with contaminated wellwater in excess of the NYSDOH guideline limits for potable water, not to use it for drinking or cooking and to limit its use for bathing to short tepid showers, pending resolution of the contamination problem. However, it has been reported by SCDHS that some of these residents may not, in fact, be obtaining bottled water for drinking and cooking. A number of the affected residents have deepened their wells in attempts to obtain uncontaminated potable water. SCDHS reports that some of these residents have again encountered contaminated water after deepening the wells. Specific records of this data have not yet been obtained.

D. Current Actions to Abate Threat:

On May 3, 1985, the Regional Administrator verbally authorized the provision of bottled water as an interim measure to those homes exceeding NYSDOH standards.

IV. ENFORCEMENT:

ERRD-SIC Branch and the Office of Regional Counsel were notified verbally on March 11, 1985. Based upon the Agency's authority under CERCLA and the Resource Conservation and Recovery Act (RCRA), Information Request letters have been sent to three parties by ERRD-SIC. These parties are: Kneski Asphalt and Paving Company, of Westhampton, New York; Suffolk Life Newspaper of Riverhead, New York; and Southampton Municipal Sanitary Landfill, operated by the Town of Southampton, New York. Should a responsible party or parties be identified and be willing to undertake this action, all or part of the funds requested herein may not be spent, assuming that the responsible party or parties are willing to act promptly.

V. PROPOSED PROJECT AND COSTS:

A. Objective of the Project:

The primary objective of the proposed action is mitigation of the threat to public health by provision of an alternate potable water supply to the affected homes. To reach this objective in a timely manner, an initial action is underway which will allocate and deliver bottled water for drinking and cooking to the residents whose wells exceed New York State Department of Health Guidelines for Potable Water. This initial, temporary action will be followed by the installation of a permanent reliable alternative water supply to the residents whose drinking water wells are at risk from the contamination found.

Based upon a review of available data, 6 residential wells will receive bottled water (Table 1).

The SCDHS recommends initially one gallon of water per day should be allocated for each resident which the EPA will supply. Using an average household size of 6 people (to account for summer vacation guests), the weekly water usage at each household is estimated to be forty-two (42) gallons per week. For estimating purposes it is assumed that the bottled water will be provided for a period of 20 weeks, until a more permanent solution is implemented.

Figures 4 and 5 and the supporting data collected by SCDHS, document the existence of a potentially toxic contaminant plume which occurs within a potable water supply aquifer. As presented on Figure 4, a continuous plume of contamination, characterized by contaminant strengths in excess of the EPA 10-Day SNARLS, has been identified. Figure 5 presents a subsurface profile (cross-section) which is oriented generally northeast to southwest or parallel to the apparent trend of the contaminant plume. The location of this subsurface profile graphically illustrates the two dimensional vertical distribution of contaminants within the plume.



The contamination strength within the aquifer is greatest in the deepest portions of the aquifer, however as a result of the close proximity of the Jagger Lane site area to surface water streams, there is a potential for a localized upward ground-water flow component which may redistribute contaminants to shallower depths. The extent to which this redistribution of contaminants might occur is dependent upon seasonal and yearly rainfall, evaporation and transpiration fluctuations, and seasonal variations in water use from the private wells located at the site. The potential for contamination at each private well is expected to be related to the depth of the well.

As a result of the potential for lateral and for vertical migration of the high strength contaminant plume the supply of an alternative water supply will be completed to service the entire documented affected area. This action will eliminate the risks for the affected population and minimize the likelihood of future emergency actions at this site. This objective of the immediate removal action will be best accomplished by installing a water main and hookups to the documented affected area. The water main and hookups are expected to be provided to 50 homes located in this area. Additional homes may be hooked up outside of this area based upon additional sampling and analytical results obtained during/or after the water main installation.

Consideration was given to providing activated carbon treatment systems instead of a water main distribution system. As this is not presently an NPL site, remedial action would occur several years from now if the site ranked adequately high, if at all. It has been determined that these systems would be ineffective in providing an adequate degree of health and safety protection to the affected residents. Neither the state nor the county have agreed to maintain and operate the proposed activated carbon treatment systems over an extended period of time. Without a proper maintenance and operation program, it is likely that, over an extended period of time,

some of the homes would again show excessive contamination. Prior experience with long term state and county maintenance and operation of such systems has been unsatisfactory. In addition, the cost of associated monitoring programs together with the cost of the carbon units, will eventually exceed the cost of the tie-in to the public supply.

Installation of the water main and distribution system might be best reached by Letter Contract (1900-56) with the Suffolk County Water Authority (SCWA), under a special exemption to competitive requirements, if possible. The SCWA has a yearly low cost contractor in place. Sampling and analysis for continued monitoring of drinking water quality might be arranged through the Suffolk County Department of Health Services.

B. Project Estimated Costs:

The estimated quantity and consequent cost of providing bottled water to 6 residences is based upon delivering 42 gallons of water per household per week for a period of 20 weeks. The estimated costs for water main installation and hookups are stated below and include main, taps, meters and hookups to 50 affected homes.

Estimated project costs are as follows:

1. 5,040 Gallons Bottled Water Delivered @ \$1.00/Gal.	\$ 5,040
2. 5,000 Linear Ft. Force Mains in Place	218,000
3. 50 Taps and Meters at \$300/Ea.	15,000
4. 50 Residential Hookups @ \$2,000/Ea.	100,000
5. 15% Contingency of Items #2, #3, and #4	50,706
6. Extramural (TAT) Costs	30,000
7. 15% TAT Contingency	4,500
8. Intramural EPA Costs	<u>30,000</u>

TOTAL ESTIMATED PROJECT COST \$453,246

C. Project Schedule:

Further project initiation can occur immediately upon approval of additional fund authorization.

Mobilization of equipment and materials and completion of required surveys for the installation of the water main is expected to take 3 to 4 weeks. Excavation, placement of piping and backfill is estimated to require an additional 14 weeks for completion. Household connections may be installed within the same time period, however, disinfection and water quality testing of the main, tapping and meter installations are estimated to require an additional 4 to 6 weeks for completion.

A prerequisite for successful completion of the above work will be prior agreement by each homeowner to pay for their own water consumption following installation of the water main.

VI. RECOMMENDATIONS:

Conditions at the Jagger Lane, West Hampton site meet the NCP Section 300.65 criteria for an immediate removal because they present an immediate and significant risk of harm to human health due to the potential for direct human exposure to hazardous substances, and due to the documented contamination of a drinking water supply.

Therefore, I recommend your approval of this Immediate Removal Request. The estimated cost of this project is \$453,200 of which \$388,700 are for mitigation contracting.

Your authority to authorize these funds is pursuant to Deputy Administrator Alvin Alm's April 16, 1984 memorandum, Delegation Number 14-1-A.

Please indicate your approval or disapproval of this action by signing below and returning this memorandum to me.

Approval: Christopher J. Day Date: MAY 14, 1985

Disapproval: \_\_\_\_\_ Date: \_\_\_\_\_

Upon Approval:

cc: W. Librizzi, 2ERR  
F. Rubel, 2ERR-RP  
R. Ogg, 2ERR-SIC  
G. Pavlou, 2ERR-NYCRA  
J. Marshall, 2OEP  
W. Mugdan, 2ORC-WTS  
R. Gherardi, 2OPM-FIN  
P. Flynn, WH-548B (EXPRESS MAIL)  
T. Fields, WH-548B  
W. Hedeman, WH-548  
N. Nosenchuck, NYSDEC

APPENDIX C  
SAMPLING REPORT

OSC REPORT  
JAGGER LANE  
WESTHAMPTON, NY



**REFERENCE NO. 3**

SAMPLING REPORT: SUFFOLK LIFE BUILDING  
AND KNESKI PROPERTY  
JAGGER LANE GROUNDWATER CONTAMINATION  
SITE, WESTHAMPTON  
TOWN OF SOUTHAMPTON, NEW YORK

ISSUED JULY, 1985

Prepared By:  
Nicholas DeRose  
Region II Technical Assistance Team  
Weston/SPER Division  
Edison, New Jersey

Prepared For:  
W. Gad Tawadros  
Response and Prevention Branch  
U.S. EPA Region II  
Edison, New Jersey

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	A. Site Description	1
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A	CHAIN-OF-CUSTODY FORMS AND COMPLETE SAMPLE DATA
B	PHOTOGRAPHS
C	SAMPLING PLAN

MEMORANDUM

TO: W. Gad Tawadros  
Response and Prevention Branch, U.S. EPA

FROM: Nicholas DeRose  
TAT/II

SUBJECT: Sampling Results From June 12 and 13, 1985  
Jagger Lane, Westhampton  
Town of Southampton  
Suffolk County, New York

DATE: July 15, 1985

I. PURPOSE:

The U.S. Environmental Protection Agency (U.S. EPA) Technical Assistance Team (TAT), U.S. EPA Response and Prevention Branch and the Suffolk County Department of Health Services (SCDHS) have completed a sampling program to assist the U.S. EPA in its enforcement related activities at the Jagger Lane Groundwater Contamination Site. The objective of the sampling program is to determine if volatile organic compounds, are present in residual and/or waste materials remaining in selected subsurface sanitary disposal and drainage systems. The samples were collected from two properties which have been identified as potential sources for contributing to the contamination of groundwater as documented by SCDHS at the Jagger Lane site area, the Kneski Asphalt Company and the Suffolk Life building (Figure 1).

II. BACKGROUND:A. Site Description:

Contamination of private potable water supply wells has been documented by SCDHS in the vicinity of Jagger Lane, Westhampton. Contaminants found in private wells located in the affected area include



trichloroethylene, tetrachloroethylene, cis-dichloroethylene, 1,2-dichloroethane 1,2-dichloropropane and trichloroethane which are all volatile organic compounds.

Based upon results obtained from the analysis of 58 samples, collected by SCDHS during January to June 1985 from private wells located within the affected area, 23 homes have been found to be contaminated. Nine of the wells were contaminated to levels exceeding the New York State Department of Health Guidelines for potable water, including two wells which were found to be contaminated to levels in excess of U.S. EPA's 10-Day SNARLS (Suggested No Adverse Response Levels).

In an effort to define the lateral and vertical extent of groundwater contamination and to locate the source of contamination, the SCDHS has completed drilling operations to obtain groundwater samples at more than 30 selected locations in the vicinity of the Jagger Lane Groundwater Contamination Site. The results of this groundwater sampling program indicate a narrow and deep, high strength contaminant plume trending in an almost north to south orientation extending from beneath the Kneski Property southward along Jagger Lane and apparently bending in a southwest direction toward the unnamed stream located to the west of Jagger Lane (Figure 1).

SCDHS is attempting at this time to delineate the extent of the contaminant plume north of the Kneski Property, in order to identify the source of the plume.

### III. SAMPLING OPERATIONS AND RESULTS:

#### A. Sampling Operation:

On June 12 and 13, 1985, sampling was conducted at the Suffolk Life Building and at the Kneski Property. The sampling team included TAT members, N. DeRose and A. Tischbein, a representative of SCDHS, I. Doroski, and the U.S. EPA On-Scene Coordinator (OSC), W. G. Tawadros.

All samples were collected at the Suffolk Life Building on June 12, 1985. Samples were collected from a cesspool, septic tank, dry well and from two potable wells located at the Suffolk Life Building. In addition, a composite soil sample was collected from an area located in back of the building where waste materials were reported to have been stored in the past (SCDHS). Sample locations are presented in Figure 2 and obtained results are summarized in Table 1. The complete data can be seen in Appendix A. Photographs of selected sampling location points are included in Appendix B. Procedures implemented by the sampling team to collect the samples and quality assurance measures followed by the sampling team and the testing laboratory are summarized in the Sampling Plan completed for this project, which is attached in Appendix C of this report. Copies of Chain-of-Custody Forms for the collected samples are included in Appendix A.

All samples were collected from the Kneski property on June 13, 1985. Samples were collected from two cesspools located on the Kneski Property, both of which service an existing one family house. In addition, two composite soil samples were collected. Sample locations are presented on Figure 3 and obtained results are summarized in Table 2. The complete data can be seen in Appendix A. Photographs of selected sampling location points are included in Appendix B. Procedures implemented by the sampling team to collect the samples and quality assurance measures followed by the sampling team and the testing laboratory are summarized in the Sampling Plan completed for this project, which is attached in Appendix C of this report. Copies of Chain-of-Custody Forms for the collected samples are included in Appendix A.

B. Sample Results:

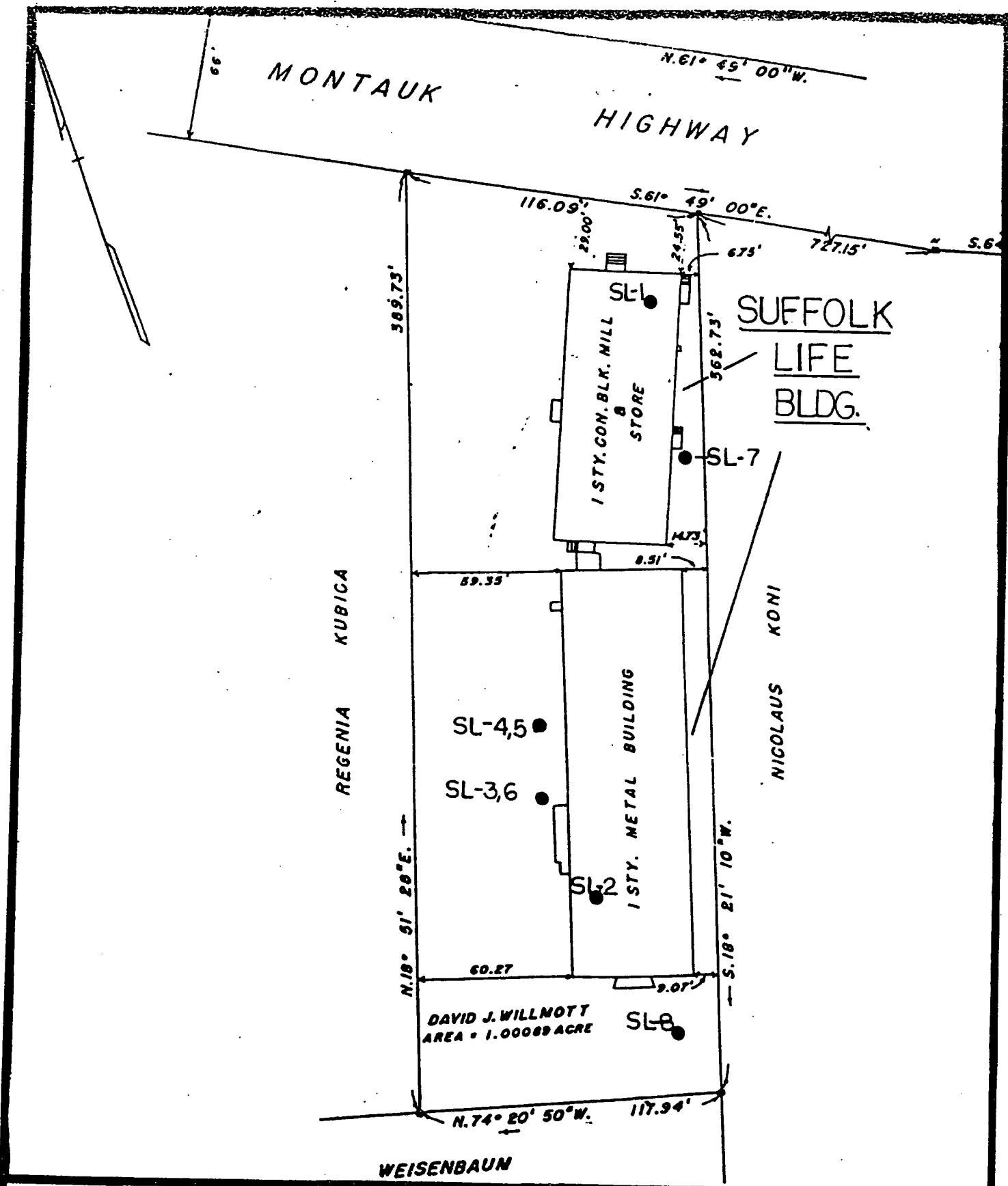
The five (5) water samples and one (1) field blank submitted for volatile organic analysis (VOA) were determined via Method 624 for purgeable organics. The results obtained from these water samples revealed the highest level present to be 67 ppb of toluene which was found in sample SL-4. The seven (7) soil samples were determined by Method 8240 which is applicable to solid materials. Results



TABLE 1  
RESULTS FROM SAMPLES COLLECTED AT THE  
SUFFOLK LIFE BUILDING (6/12/85)<sup>1</sup>

<u>Sample Number</u>	<u>Sample Description</u>	<u>Results</u>
SL-1	Water from North Potable Well	Not Detected
SL-2	Water from South Potable Well	1,2-Dichloro- propane...28 ppb  Trichloroethy- lene.....<10 ppb
SL-3	Liquid from Cesspool	Toluene...25 ppb
SL-4	Liquid from Septic Tank	Toluene...67 ppb
SL-5	Sludge from Septic Tank	Methylene Chloride...3 ppb
SL-6	Sludge from Cesspool	Not Detected
SL-7	Liquid from Dry Well	Methylene Chloride...<10 ppb
SL-8	Composite Soil from Reported Waste Storage Area	Not Detected

<sup>1</sup>Analysis performed for priority pollutant volatile organic compounds.



SPILL PREVENTION &  
EMERGENCY RESPONSE DIVISION

EPA PM

W. Gad Tawadros

Figure 2  
Suffolk Life Building

In association with  
ICF, Inc., Jacobs Engineering, Inc., & Tetra Tech, Inc.

TAT PM

N. De Rose

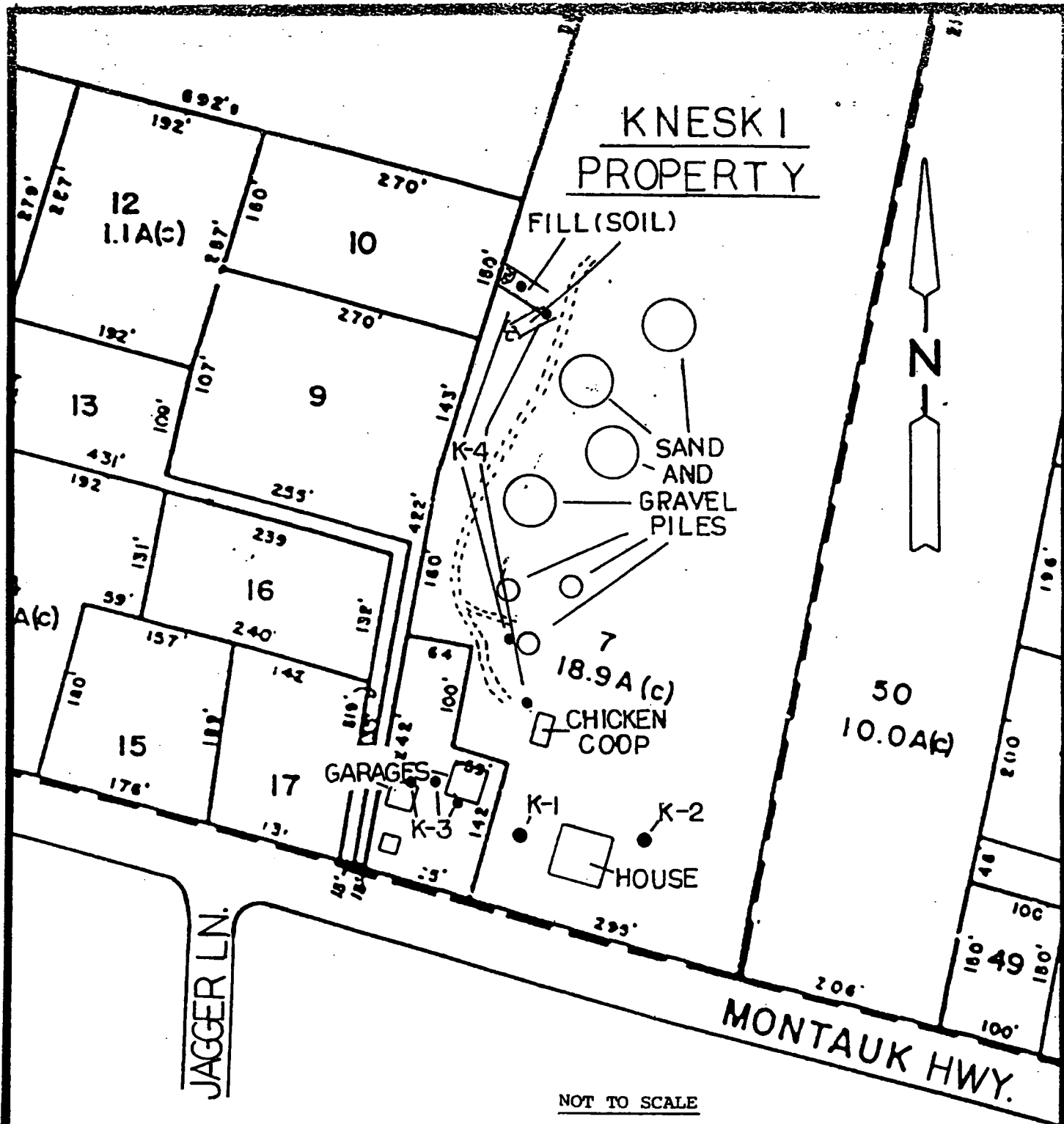
Jagger Lane  
Sampling Report

TABLE 2

RESULTS FROM SAMPLES COLLECTED AT THE  
KNESKI PROPERTY (6/13/85)<sup>1</sup>

<u>Sample Number</u>	<u>Sample Description</u>	<u>Results</u>
K-1	Soil from West Cesspool	Not Detected
K-2	Soil from East Cesspool	Not Detected
K-3	Composite Soil from Area Near Maintenance Garages	Not Detected
K-4	Composite Soil from Selected Locations in Equipment and Materials Storage Yard	Not Detected

<sup>1</sup>Analysis performed for priority pollutant volatile organic compounds.



SPILL PREVENTION &  
EMERGENCY RESPONSE DIVISION

EPA PM

W. Gad Tawadros

Figure 3  
Kneski Property Site

In association with

ICF, Inc., Jacobs Engineering, Inc., & Tetra Tech, Inc.

TAT PM

N. De Rose

Jagger Lane  
Sampling Report

of these soil analyses revealed detectable limits in only one (1) soil sample (SL-5) which was identified as containing 3mg/kg of methylene chloride.

Nytest Environmental Laboratory provided all pertinent QA/QC documentation which had been requested of them. This documentation includes surrogate spiking and recovery data all of which fell within advisable ranges as specified in the U.S. EPA Contrast Laboratory Program (CLP) Statement of Work for Organic Analysis. Further submitted QA/QC documentation includes field blank and duplicate analysis data, GC/MS tuning and calibration data, internal standard documentation and spectral data pertaining to all analyses undertaken as part of this sampling program. Overall the level of QA/QC information furnished by the testing laboratory seems to be in accordance with protocol established for the CLP.

The volatile organic compounds contaminating the private wells located at the Jagger lane site area were not detected in any of the septic tank, cesspools, dry wells or soil materials sampled at either the Suffolk Life Building or at the Kneski Property. Based upon the sample results obtained, it is not possible to determine if the relatively low levels of 1,2-dichloropropane and trichloroethylene reported in the water sample obtained from the south potable water well at the Suffolk Life Building are the result of contamination which occurs off-site or on-site.

Attachments

APPENDIX A

CHAIN-OF-CUSTODY FORMS  
AND COMPLETE SAMPLE DATA

# CHAIN OF CUSTODY RECORD

ENVIRONMENTAL PROTECTION AGENCY - REGION II  
Environmental Services Division  
EDISON, NEW JERSEY 08817

Name of Unit and Address: <b>Jagger Lane</b> <b>6/12-13/85</b>						
Sample Number	Number of Containers	Description of Samples				
SL1	2	VOA - liquid				
SL2	2	VOA - liquid				
SL3	2	VOA - liquid				
SL4	2	VOA - liquid				
SL5	1	8 oz - sludge				
SL6	1	8 oz - sludge				
SL7	2	VOA - liquid				
SL8	2	4 oz - soil (to be composited by lab)				
Blank	2	VOA				
Person Assuming Responsibility for Sample: <b>Anna Tischbein</b>					Time 1700	Date 6/13/85
Sample Number	Relinquished By:	Received By:	Time	Date	Reason for Change of Custody	
All	<b>Anna Tischbein</b>	<b>D. Davis</b>	1:40	6/13/85	Lab - For Analysis	
Sample Number	Relinquished By:	Received By:	Time	Date	Reason for Change of Custody	
Sample Number	Relinquished By:	Received By:	Time	Date	Reason for Change of Custody	
Sample Number	Relinquished By:	Received By:	Time	Date	Reason for Change of Custody	

# CHAIN OF CUSTODY RECORD

ENVIRONMENTAL PROTECTION AGENCY — REGION II  
Environmental Services Division  
EDISON, NEW JERSEY 08817

Name of Unit and Address: <i>Tagger Lane</i> <i>6/12-13/85</i>						
Sample Number	Number of Containers	Description of Samples				
K1	1	8 oz sandy/soil				
K2	1	8 oz sandy/soil				
K3	3	4 oz (A,B,C) sandy/soil composite				
K4	3	4 oz (A,B,C) sandy/soil composite				
<div style="text-align: right;"> <p>Samples collected by: <i>Dorski</i> <i>Derosa</i></p> </div>						
Person Assuming Responsibility for Sample: <i>Anne Tischbein</i>					Time <i>1200</i>	Date <i>6/12/85</i>
Sample Number	Relinquished By:	Received By:	Time	Date	Reason for Change of Custody	
<i>All</i>	<i>Anne Tischbein</i>	<i>D. Dorski</i>	<i>1:40</i>	<i>6/13/85</i>	<i>Lab - For analysis</i>	
Sample Number	Relinquished By:	Received By:	Time	Date	Reason for Change of Custody	
Sample Number	Relinquished By:	Received By:	Time	Date	Reason for Change of Custody	
Sample Number	Relinquished By:	Received By:	Time	Date	Reason for Change of Custody	





TOTAL ANALYTICAL SERVICES FOR A SAFE ENVIRONMENT

nytest environmental inc.

Lab. No. 85-10911

P. O. NO.: 19950

REPORT OF TESTS

- FOR -

ROY F. WESTON, INC./SPER DIV.  
300 MCGAW DRIVE, 2ND FLOOR  
RARITAN CENTER  
EDISON, NEW JERSEY 08837

Report prepared by:

Remo Gigante  
Laboratory Director

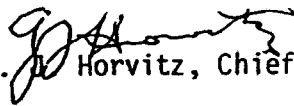
Att: Mr. Jerry Zambrella

mg

We certify that this report is a true  
report of results obtained from our  
tests of this material.

Respectfully submitted,

Nytest Environmental Inc.

  
G. D. Horvitz, Chief Officer



Page 3

Lab. No. 85-10911

VOLATILE COMPOUNDS:Sample Number: SL-3 WaterSample Size: 1 mlInternal Std. Concs.  
(total ngs.)

Bromochloromethane	50
1,4-Difluorobenzene	50
D5-Chlorobenzene	49
D4-1,2-Dichloroethane	49
1-Bromo-4-Fluorobenzene	52
d <sub>8</sub> -Deuterotoluene	52

Surrogate Std. Concs.  
(total ngs.)

Parameter	Method No.	CAS No.	Method Detection Limit (ppb)*	Found (ppb)
Acrolein	624	107-02-8	100	ND
Acrylonitrile	624	107-13-1	100	ND
Benzene	624	71-43-2	10	ND
Bromodichloromethane	624	75-27-4	10	ND
Bromoform	624	75-25-2	10	ND
Bromomethane	624	74-83-9	10	ND
Carbon Tetrachloride	624	56-23-5	10	ND
Chlorobenzene	624	108-90-7	10	ND
Chlorodibromomethane	624	124-48-1	10	ND
Chloroethane	624	75-00-3	10	ND
2-Chloroethyl vinyl ether	624	110-75-8	10	ND
Chloroform	624	67-66-3	10	ND
Chloromethane	624	74-87-3	10	ND

ND = None Detected

\*EPA published method detection limit



Page 4

Lab No 85-10911

VOLATILE COMPOUNDS - cont'd.Sample Number: SL-3 Water

<u>Parameter</u>	<u>Method No.</u>	<u>CAS No.</u>	<u>Method Detection Limit (ppb)*</u>	<u>Found (ppb)</u>
Dichlorodifluoromethane	624	75-71-8	10	ND
1,1-Dichloroethane	624	75-34-3	10	ND
1,2-Dichloroethane	624	107-06-2	10	ND
1,1-Dichloroethylene	624	75-35-4	10	ND
Trans-1,2-Dichloroethylene	624	156-60-5	10	ND
1,2-Dichloropropane	624	78-87-5	10	ND
1,3-Dichloropropene	624	10061-02-6	10	ND
Ethylbenzene	624	100-41-4	10	ND
Methylene Chloride	624	75-09-2	10	ND
1,1,2,2-Tetrachloroethane	624	79-34-5	10	ND
Tetrachloroethylene	624	127-18-4	10	ND
Toluene	624	108-88-3	10	25
1,1,1-Trichloroethane	624	71-55-6	10	ND
1,1,2-Trichloroethane	624	79-00-5	10	ND
Trichloroethylene	624	79-01-6	10	ND
Trichlorofluoromethane	624	75-69-4	10	ND
Vinyl Chloride	624	75-01-4	10	ND

ND = None Detected

\*EPA published method detection limit



TOTAL ANALYTICAL SERVICES FOR A SAFE ENVIRONMENT

nytest environmental inc.

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Lab No 85-10911

VOLATILE COMPOUNDS:Sample Number: SL-1 Water

Sample Size: 1 ml

Internal Std. Concs.  
(total ngs.)

Bromochloromethane	50
1,4-Difluorobenzene	50
D5-Chlorobenzene	49
D4-1,2-Dichloroethane	49
1-Bromo-4-Fluorobenzene	52
d <sub>8</sub> -Deuterotoluene	52

Surrogate Std. Concs.  
(total ngs.)

Parameter	Method No.	CAS No.	Method Detection Limit (ppb)*	Found (ppb)
Acrolein	624	107-02-8	100	ND
Acrylonitrile	624	107-13-1	100	ND
Benzene	624	71-43-2	10	ND
Bromodichloromethane	624	75-27-4	10	ND
Bromoform	624	75-25-2	10	ND
Bromomethane	624	74-83-9	10	ND
Carbon Tetrachloride	624	56-23-5	10	ND
Chlorobenzene	624	108-90-7	10	ND
Chlorodibromomethane	624	124-48-1	10	ND
Chloroethane	624	75-00-3	10	ND
2-Chloroethyl vinyl ether	624	110-75-8	10	ND
Chloroform	624	67-66-3	10	ND
Chloromethane	624	74-87-3	10	ND

ND = None Detected

\*EPA published method detection limit



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Lab No. 85-10911

VOLATILE COMPOUNDS - cont'd.Sample Number: SL-1 Water

<u>Parameter</u>	<u>Method No.</u>	<u>CAS No.</u>	<u>Method Detection Limit (ppb)*</u>	<u>Found (ppb)</u>
Dichlorodifluoromethane	624	75-71-8	10	ND
1,1-Dichloroethane	624	75-34-3	10	ND
1,2-Dichloroethane	624	107-06-2	10	ND
1,1-Dichloroethylene	624	75-35-4	10	ND
Trans-1,2-Dichloroethylene	624	156-60-5	10	ND
1,2-Dichloropropane	624	78-87-5	10	ND
1,3-Dichloropropene	624	10061-02-6	10	ND
Ethylbenzene	624	100-41-4	10	ND
Methylene Chloride	624	75-09-2	10	ND
1,1,2,2-Tetrachloroethane	624	79-34-5	10	ND
Tetrachloroethylene	624	127-18-4	10	ND
Toluene	624	108-88-3	10	ND
1,1,1-Trichloroethane	624	71-55-6	10	ND
1,1,2-Trichloroethane	624	79-00-5	10	ND
Trichloroethylene	624	79-01-6	10	ND
Trichlorofluoromethane	624	75-69-4	10	ND
Vinyl Chloride	624	75-01-4	10	ND

ND = None Detected

\*EPA published method detection limit



TOTAL ANALYTICAL SERVICES FOR A SAFE ENVIRONMENT

nytest environmental inc.

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LCI INC 85-10911

VOLATILE COMPOUNDS:Sample Number: SL-2 Water

Sample Size: 1 ml

Internal Std. Concs. (total ngs.)	Bromochloromethane	50
	1,4-Difluorobenzene	50
Surrogate Std. Concs. (total ngs.)	D5-Chlorobenzene	49
	D4-1,2-Dichloroethane	49
	1-Bromo-4-Fluorobenzene	52
	d <sub>8</sub> -Deuterotoluene	52

Parameter	Method No.	CAS No.	Method Detection Limit (ppb)*	Found (ppb)
Acrolein	624	107-02-8	100	ND
Acrylonitrile	624	107-13-1	100	ND
Benzene	624	71-43-2	10	ND
Bromodichloromethane	624	75-27-4	10	ND
Bromoform	624	75-25-2	10	ND
Bromomethane	624	74-83-9	10	ND
Carbon Tetrachloride	624	56-23-5	10	ND
Chlorobenzene	624	108-90-7	10	ND
Chlorodibromomethane	624	124-48-1	10	ND
Chloroethane	624	75-00-3	10	ND
2-Chloroethyl vinyl ether	624	110-75-8	10	ND
Chloroform	624	67-66-3	10	ND
Chloromethane	624	74-87-3	10	ND

ND = None Detected

\* EPA published method detection limit



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Lab. No. 85-10911

VOLATILE COMPOUNDS - cont'd.Sample Number: SL-2 Water

Parameter	Method No.	CAS No.	Method Detection Limit (ppb)*	Found (ppb)
Dichlorodifluoromethane	624	75-71-8	10	ND
1,1-Dichloroethane	624	75-34-3	10	ND
1,2-Dichloroethane	624	107-06-2	10	ND
1,1-Dichloroethylene	624	75-35-4	10	ND
Trans-1,2-Dichloroethylene	624	156-60-5	10	ND
1,2-Dichloropropane	624	78-87-5	10	28
1,3-Dichloropropene	624	10061-02-6	10	ND
Ethylbenzene	624	100-41-4	10	ND
Methylene Chloride	624	75-09-2	10	ND
1,1,2,2-Tetrachloroethane	624	79-34-5	10	ND
Tetrachloroethylene	624	127-18-4	10	ND
Toluene	624	108-88-3	10	ND
1,1,1-Trichloroethane	624	71-55-6	10	ND
1,1,2-Trichloroethane	624	79-00-5	10	ND
Trichloroethylene	624	79-01-6	10	< 10
Trichlorofluoromethane	624	75-69-4	10	ND
Vinyl Chloride	624	75-01-4	10	ND

ND = None Detected

\* less than

\* EPA published method detection limit



TOTAL ANALYTICAL SERVICES FOR A SAFE ENVIRONMENT

nytest environmental inc.

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Lab. No. 85-10911

VOLATILE COMPOUNDS:Sample Number: SL-4 Water

Sample Size: 1 ml

Internal Std. Concs. (total ngs.)	Bromochloromethane	50
	1,4-Difluorobenzene	50
Surrogate Std. Concs. (total ngs.)	D5-Chlorobenzene	49
	D4-1,2-Dichloroethane	49
	1-Bromo-4-Fluorobenzene	52
	d8-Deuterotoluene	52

Parameter	Method No.	CAS No.	Method Detection Limit (ppb)*	Found (ppb)
Acrolein	624	107-02-8	100	ND
Acrylonitrile	624	107-13-1	100	ND
Benzene	624	71-43-2	10	ND
Bromodichloromethane	624	75-27-4	10	ND
Bromoform	624	75-25-2	10	ND
Bromomethane	624	74-83-9	10	ND
Carbon Tetrachloride	624	56-23-5	10	ND
Chlorobenzene	624	108-90-7	10	ND
Chlorodibromomethane	624	124-48-1	10	ND
Chloroethane	624	75-00-3	10	ND
2-Chloroethyl vinyl ether	624	110-75-8	10	ND
Chloroform	624	67-66-3	10	ND
Chloromethane	624	74-87-3	10	ND

ND = None Detected

\*EPA published method detection limit





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Lab No 85-10911

VOLATILE COMPOUNDS - cont'd.Sample Number: SL-4 Water

<u>Parameter</u>	<u>Method No.</u>	<u>CAS No.</u>	<u>Method Detection Limit (ppb)*</u>	<u>Found (ppb)</u>
Dichlorodifluoromethane	624	75-71-8	10	ND
1,1-Dichloroethane	624	75-34-3	10	ND
1,2-Dichloroethane	624	107-06-2	10	ND
1,1-Dichloroethylene	624	75-35-4	10	ND
Trans-1,2-Dichloroethylene	624	156-60-5	10	ND
1,2-Dichloropropane	624	78-87-5	10	ND
1,3-Dichloropropene	624	10061-02-6	10	ND
Ethylbenzene	624	100-41-4	10	ND
Methylene Chloride	624	75-09-2	10	ND
1,1,2,2-Tetrachloroethane	624	79-34-5	10	ND
Tetrachloroethylene	624	127-18-4	10	ND
Toluene	624	108-88-3	10	67
1,1,1-Trichloroethane	624	71-55-6	10	ND
1,1,2-Trichloroethane	624	79-00-5	10	ND
Trichloroethylene	624	79-01-6	10	ND
Trichlorofluoromethane	624	75-69-4	10	ND
Vinyl Chloride	624	75-01-4	10	ND

ND None Detected

\*EPA published method detection limit

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Lab No. 85-10911

VOLATILE COMPOUNDS:

Sample Number: SL-7    Water

Sample Size: 1 ml

Internal Std. Conc's.	Bromochloromethane	50
(total ngs.)	1,4-Difluorobenzene	50
	D5-Chlorobenzene	49
Surrogate Std. Conc's.	D4-1,2-Dichloroethane	49
(total ngs.)	1-Bromo-4-Fluorobenzene	52
	d8-Deuterotoluene	52

<u>Parameter</u>	<u>Method No.</u>	<u>CAS No.</u>	<u>Method Detection Limit (ppb)*</u>	<u>Found (ppb)</u>
Acrolein	624	107-02-8	100	ND
Acrylonitrile	624	107-13-1	100	ND
Benzene	624	71-43-2	10	ND
Bromodichloromethane	624	75-27-4	10	ND
Bromoform	624	75-25-2	10	ND
Bromomethane	624	74-83-9	10	ND
Carbon Tetrachloride	624	56-23-5	10	ND
Chlorobenzene	624	108-90-7	10	ND
Chlorodibromomethane	624	124-48-1	10	ND
Chloroethane	624	75-00-3	10	ND
2-Chloroethyl vinyl ether	624	110-75-8	10	ND
Chloroform	624	67-66-3	10	ND
Chloromethane	624	74-87-3	10	ND

None Detected

\* EPA published method detection limit



TOTAL ANALYTICAL SERVICES FOR A SAFE ENVIRONMENT

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VOLATILE COMPOUNDS - cont'd.Sample Number: SL-7 Water

Parameter	Method No.	CAS No.	Method Detection Limit (ppb)*	Found (ppb)
Dichlorodifluoromethane	624	75-71-8	10	ND
1,1-Dichloroethane	624	75-34-3	10	ND
1,2-Dichloroethane	624	107-06-2	10	ND
1,1-Dichloroethylene	624	75-35-4	10	ND
Trans-1,2-Dichloroethylene	624	156-60-5	10	ND
1,2-Dichloropropane	624	78-87-5	10	ND
1,3-Dichloropropene	624	10061-02-6	10	ND
Ethylbenzene	624	100-41-4	10	ND
Methylene Chloride	624	75-09-2	10	< 10
1,1,2,2-Tetrachloroethane	624	79-34-5	10	ND
Tetrachloroethylene	624	127-18-4	10	ND
Toluene	624	108-88-3	10	ND
1,1,1-Trichloroethane	624	71-55-6	10	ND
1,1,2-Trichloroethane	624	79-00-5	10	ND
Trichloroethylene	624	79-01-6	10	ND
Trichlorofluoromethane	624	75-69-4	10	ND
Vinyl Chloride	624	75-01-4	10	ND

None Detected

less than

EPA published method detection limit



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Lab. No 85-10911

VOLATILE COMPOUNDS:Sample Number: Blank WaterSample Size: 1 ml

Internal Std. Concs.	Bromochloromethane	50
(total ngs.)	1,4-Difluorobenzene	50
	D5-Chlorobenzene	49
Surrogate Std. Concs.	D4-1,2-Dichloroethane	49
(total ngs.)	1-Bromo-4-Fluorobenzene	52
	d <sub>8</sub> -Deuterotoluene	52

Parameter	Method No.	CAS No.	Method Detection Limit (ppb)*	Found (ppb)
Acrolein	624	107-02-8	100	ND
Acrylonitrile	624	107-13-1	100	ND
Benzene	624	71-43-2	10	ND
Bromodichloromethane	624	75-27-4	10	ND
Bromoform	624	75-25-2	10	ND
Bromomethane	624	74-83-9	10	ND
Carbon Tetrachloride	624	56-23-5	10	ND
Chlorobenzene	624	108-90-7	10	ND
Chlorodibromomethane	624	124-48-1	10	ND
Chloroethane	624	75-00-3	10	ND
2-Chloroethyl vinyl ether	624	110-75-8	10	ND
Chloroform	624	67-66-3	10	ND
Chloromethane	624	74-87-3	10	ND

None Detected

\* published method detection limit



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Lab No 85-10911

VOLATILE COMPOUNDS - cont'd.Sample Number: Blank Water

Parameter	Method No.	CAS No.	Method Detection Limit (ppb)*	Found (ppb)
Dichlorodifluoromethane	624	75-71-8	10	ND
1,1-Dichloroethane	624	75-34-3	10	ND
1,2-Dichloroethane	624	107-06-2	10	ND
1,1-Dichloroethylene	624	75-35-4	10	ND
Trans-1,2-Dichloroethylene	624	156-60-5	10	ND
1,2-Dichloropropane	624	78-87-5	10	ND
1,3-Dichloropropene	624	10061-02-6	10	ND
Ethylbenzene	624	100-41-4	10	ND
Methylene Chloride	624	75-09-2	10	ND
1,1,2,2-Tetrachloroethane	624	79-34-5	10	ND
Tetrachloroethylene	624	127-18-4	10	ND
Toluene	624	108-88-3	10	ND
1,1,1-Trichloroethane	624	71-55-6	10	ND
1,1,2-Trichloroethane	624	79-00-5	10	ND
Trichloroethylene	624	79-01-6	10	ND
Trichlorofluoromethane	624	75-69-4	10	ND
Vinyl Chloride	624	75-01-4	10	ND

None Detected

\* EPA published method detection limit



TOTAL ANALYTICAL SERVICES FOR A SAFE ENVIRONMENT

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Lab No 85-10911

VOLATILE COMPOUNDS: Method 8240, Ref. SW846, Second Edition, July 1982

Sample Number: SL-5Sample Matrix: SoilSample Size: 1 grm/1 ml 10 uls purgeInternal Std. Concs.  
(total ngs.)Surrogate Std. Concs.  
(total ngs.)

Bromochloromethane	5000
1,4-Difluorobenzene	5000
D <sub>5</sub> -Chlorobenzene	4900
D <sub>4</sub> -1,2-Dichloroethane	49
1-Bromo-4-Fluorobenzene	52
d <sub>8</sub> -Deuterotoluene	52

Parameter	CAS No.	Method Detection Limit (mg/kg)	Found (mg/kg)
Acrolein	107-02-8	10	ND
Acrylonitrile	107-13-1	10	ND
Benzene	71-43-2	1	ND
Bromodichloromethane	75-27-4	1	ND
Bromoform	75-25-2	1	ND
Bromomethane	74-83-9	1	ND
Carbon Tetrachloride	56-23-5	1	ND
Chlorobenzene	108-90-7	1	ND
Chlorodibromomethane	124-48-1	1	ND
Chloroethane	75-00-3	1	ND
1-Chloroethyl vinyl ether	110-75-8	1	ND
Chloroform	67-66-3	1	ND
Chloromethane	74-87-3	1	ND

ND - None Detected



TOTAL ANALYTICAL SERVICES FOR A SAFE ENVIRONMENT

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Lab. No. 85-10911

VOLATILE COMPOUNDS : Method 8240 Ref. SW846 Second Edition July 1982Sample Number: SL-5Sample Matrix Soil

<u>Parameter</u>	<u>CAS No.</u>	<u>Method Detection Limit (mg/kg)</u>	<u>Found (mg/kg)</u>
Dichlorodifluoromethane	75-71-8	1	ND
1,1-Dichloroethane	75-34-3	1	ND
1,2-Dichloroethane	107-06-02	1	ND
1,1-Dichloroethylene	75-35-4	1	ND
Trans-1,2-Dichloroethylene	156-60-5	1	ND
1,2-Dichloropropane	78-87-5	1	ND
1,3-Dichloropropene	10061-02-6	1	ND
Ethylbenzene	100-41-4	1	ND
Methylene Chloride	75-09-2	1	3
1,1,2,2-Tetrachloroethane	79-34-5	1	ND
Tetrachloroethylene	127-18-4	1	ND
Toluene	108-88-3	1	ND
1,1,1-Trichloroethane	71-55-6	1	ND
1,1,2-Trichloroethane	79-00-5	1	ND
Trichloroethylene	79-01-6	1	ND
Trichlorofluoromethane	75-69-4	1	ND
Vinyl Chloride	75-01-4	1	ND

ND - None Detected

E. Other Extramural Costs

1. TAT, (salary/travel) through  
8/27/85 47,163

2. Total, other extramural costs  
through 8/27/85 47,163

F. Intramural Removal Costs  
(salary/travel through 8/6/85) 18,350

G. Total Expenditures and Percentage  
of \$1,000,000 \$ 280,354.69  
(28.0%)

4. FUTURE PLANS AND RECOMMENDATIONS:

A. As previously stated.

CASE CLOSED \_\_\_\_\_ CASE PENDING X SUBMITTED BY

(TAT)

W. Gad Tawadros  
W. Gad Tawadros, OSC  
Response and Prevention  
Branch

DATE RELEASED: 8/28/85





TOTAL ANALYTICAL SERVICES FOR A SAFE ENVIRONMENT

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Lab. No. 85-10911

VOLATILE COMPOUNDS: Method 8240, Ref. SW846, Second Edition, July 1982Sample Number: SL-6Sample Matrix: SoilSample Size: 1 grm/1 ml 10  $\mu$ ls purgeInternal Std. Concs.  
(total ngs.)Surrogate Std. Concs.  
(total ngs.)

Bromochloromethane	5000
1,4-Difluorobenzene	5000
D <sub>5</sub> -Chlorobenzene	4900
D <sub>4</sub> -1,2-Dichloroethane	49
1-Bromo-4-Fluorobenzene	52
d <sub>8</sub> -Deuterotoluene	52

<u>Parameter</u>	<u>CAS No.</u>	<u>Method Detection Limit (mg/kg)</u>	<u>Found (mg/kg)</u>
Acrolein	107-02-8	10	ND
Acrylonitrile	107-13-1	10	ND
Benzene	71-43-2	1	ND
Bromodichloromethane	75-27-4	1	ND
Bromoform	75-25-2	1	ND
Bromomethane	74-83-9	1	ND
Carbon Tetrachloride	56-23-5	1	ND
Chlorobenzene	108-90-7	1	ND
Chlorodibromomethane	124-48-1	1	ND
Chloroethane	75-00-3	1	ND
1-Chloroethyl vinyl ether	110-75-8	1	ND
Chloroform	67-66-3	1	ND
Chloromethane	74-87-3	1	ND

ND - None Detected



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Lab. No 85-10911

VOLATILE COMPOUNDS : Method 8240 Ref. SW846 Second Edition July 1982Sample Number: SL-6Sample Matrix Soil

<u>Parameter</u>	<u>CAS No.</u>	<u>Method Detection Limit (mg/kg)</u>	<u>Found (mg/kg)</u>
Dichlorodifluoromethane	75-71-8	1	ND
1,1-Dichloroethane	75-34-3	1	ND
1,2-Dichloroethane	107-06-02	1	ND
1,1-Dichloroethylene	75-35-4	1	ND
Trans-1,2-Dichloroethylene	156-60-5	1	ND
1,2-Dichloropropane	78-87-5	1	ND
1,3-Dichloropropene	10061-02-6	1	ND
Ethylbenzene	100-41-4	1	ND
Methylene Chloride	75-09-2	1	ND
1,1,2,2-Tetrachloroethane	79-34-5	1	ND
Tetrachloroethylene	127-18-4	1	ND
Toluene	108-88-3	1	ND
1,1,1-Trichloroethane	71-55-6	1	ND
1,1,2-Trichloroethane	79-00-5	1	ND
Trichloroethylene	79-01-6	1	ND
Trichlorofluoromethane	75-69-4	1	ND
Vinyl Chloride	75-01-4	1	ND

ND = None Detected



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Lab No 85-10911

VOLATILE COMPOUNDS: Method 8240, Ref. SW846, Second Edition, July 1982Sample Number: SL-8 (A, B Comp)Sample Matrix: SoilSample Size: 1 grm/1 ml 10  $\mu$ ls purgeInternal Std. Concs.  
(total ngs.)Surrogate Std. Concs.  
(total ngs.)

Bromochloromethane	5000
1,4-Difluorobenzene	5000
D <sub>5</sub> -Chlorobenzene	4900
D <sub>4</sub> -1,2-Dichloroethane	49
1-Bromo-4-Fluorobenzene	52
d <sub>8</sub> -Deuterotoluene	52

<u>Parameter</u>	<u>CAS No.</u>	<u>Method Detection Limit (mg/kg)</u>	<u>Found (mg/kg)</u>
Acrolein	107-02-8	10	ND
Acrylonitrile	107-13-1	10	ND
Benzene	71-43-2	1	ND
Bromodichloromethane	75-27-4	1	ND
Bromoform	75-25-2	1	ND
Bromomethane	74-83-9	1	ND
Carbon Tetrachloride	56-23-5	1	ND
Chlorobenzene	108-90-7	1	ND
Chlorodibromomethane	124-48-1	1	ND
Chloroethane	75-00-3	1	ND
2-Chloroethyl vinyl ether	110-75-8	1	ND
Chloroform	67-66-3	1	ND
Chloromethane	74-87-3	1	ND

ND = None Detected



TOTAL ANALYTICAL SERVICES FOR A SAFE ENVIRONMENT

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Lab. No. 85-10911

VOLATILE COMPOUNDS : Method 8240 Ref. SW846 Second Edition July 1982Sample Number: SL-8 (A, B Comp)Sample Matrix Soil

<u>Parameter</u>	<u>CAS No.</u>	<u>Method Detection Limit (mg/kg)</u>	<u>Found (mg/kg)</u>
Dichlorodifluoromethane	75-71-8	1	ND
1,1-Dichloroethane	75-34-3	1	ND
1,2-Dichloroethane	107-06-02	1	ND
1,1-Dichloroethylene	75-35-4	1	ND
Trans-1,2-Dichloroethylene	156-60-5	1	ND
1,2-Dichloropropane	78-87-5	1	ND
1,3-Dichloropropene	10061-02-6	1	ND
Ethylbenzene	100-41-4	1	ND
Methylene Chloride	75-09-2	1	ND
1,1,2,2-Tetrachloroethane	79-34-5	1	ND
Tetrachloroethylene	127-18-4	1	ND
Toluene	108-88-3	1	ND
1,1,1-Trichloroethane	71-55-6	1	ND
1,1,2-Trichloroethane	79-00-5	1	ND
Trichloroethylene	79-01-6	1	ND
Trichlorofluoromethane	75-69-4	1	ND
Vinyl Chloride	75-01-4	1	ND

ND = None Detected



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Lab No 85-10911

VOLATILE COMPOUNDS: Method 8240, Ref. SW846, Second Edition, July 1982Sample Number: K-1Sample Matrix: SoilSample Size: 1 grm/1 ml 10  $\mu$ ls purgeInternal Std. Concs.  
(total ngs.)Bromochloromethane 50001,4-Difluorobenzene 5000D<sub>5</sub>-Chlorobenzene 4900Surrogate Std. Concs.  
(total ngs.)D<sub>4</sub>-1,2-Dichloroethane 491-Bromo-4-Fluorobenzene 52d<sub>8</sub>-Deuterotoluene 52

<u>Parameter</u>	<u>CAS No.</u>	<u>Method Detection Limit (mg/kg)</u>	<u>Found (mg/kg)</u>
Acrolein	107-02-8	10	ND
Acrylonitrile	107-13-1	10	ND
Benzene	71-43-2	1	ND
Bromodichloromethane	75-27-4	1	ND
Bromoform	75-25-2	1	ND
Bromomethane	74-83-9	1	ND
Carbon Tetrachloride	56-23-5	1	ND
Chlorobenzene	108-90-7	1	ND
Chlorodibromomethane	124-48-1	1	ND
Chloroethane	75-00-3	1	ND
2-Chloroethyl vinyl ether	110-75-8	1	ND
Chloroform	67-66-3	1	ND
Chloromethane	74-87-3	1	ND

ND = None Detected



TOTAL ANALYTICAL SERVICES FOR A SAFE ENVIRONMENT

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Lab. No. 85-10911

VOLATILE COMPOUNDS : Method 8240 Ref. SW846 Second Edition July 1982Sample Number: K-1Sample Matrix Soil

<u>Parameter</u>	<u>CAS No.</u>	<u>Method Detection Limit (mg/kg)</u>	<u>Found (mg/kg)</u>
Dichlorodifluoromethane	75-71-8	1	ND
1,1-Dichloroethane	75-34-3	1	ND
1,2-Dichloroethane	107-06-02	1	ND
1,1-Dichloroethylene	75-35-4	1	ND
Trans-1,2-Dichloroethylene	156-60-5	1	ND
1,2-Dichloropropane	78-87-5	1	ND
1,3-Dichloropropene	10061-02-6	1	ND
Ethylbenzene	100-41-4	1	ND
Methylene Chloride	75-09-2	1	ND
1,1,2,2-Tetrachloroethane	79-34-5	1	ND
Tetrachloroethylene	127-18-4	1	ND
Toluene	108-88-3	1	ND
1,1,1-Trichloroethane	71-55-6	1	ND
1,1,2-Trichloroethane	79-00-5	1	ND
Trichloroethylene	79-01-6	1	ND
Trichlorofluoromethane	75-69-4	1	ND
Vinyl Chloride	75-01-4	1	ND

ND = None Detected



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Lab. No. 85-10911

VOLATILE COMPOUNDS: Method 8240, Ref. SW846, Second Edition, July 1982Sample Number: K-2Sample Matrix: SoilSample Size: 1 grm/1 ml 10  $\mu$ ls purgeInternal Std. Concs.  
(total ngs.)Bromochloromethane 50001,4-Difluorobenzene 5000D<sub>5</sub>-Chlorobenzene 4900Surrogate Std. Concs.  
(total ngs.)D<sub>4</sub>-1,2-Dichloroethane 491-Bromo-4-Fluorobenzene 52d<sub>8</sub>-Deuterotoluene 52

<u>Parameter</u>	<u>CAS No.</u>	<u>Method Detection Limit (mg/kg)</u>	<u>Found (mg/kg)</u>
Acrolein	107-02-8	10	ND
Acrylonitrile	107-13-1	10	ND
Benzene	71-43-2	1	ND
Bromodichloromethane	75-27-4	1	ND
Bromoform	75-25-2	1	ND
Bromomethane	74-83-9	1	ND
Carbon Tetrachloride	56-23-5	1	ND
Chlorobenzene	108-90-7	1	ND
Chlorodibromomethane	124-48-1	1	ND
Chloroethane	75-00-3	1	ND
2-Chloroethyl vinyl ether	110-75-8	1	ND
Chloroform	67-66-3	1	ND
Chloromethane	74-87-3	1	ND

ND = None Detected



TOTAL ANALYTICAL SERVICES FOR A SAFE ENVIRONMENT

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Lab. No 85-10911

VOLATILE COMPOUNDS : Method 8240 Ref. SW846 Second Edition July 1982Sample Number: K-2Sample Matrix Soil

<u>Parameter</u>	<u>CAS No.</u>	<u>Method Detection Limit (mg/kg)</u>	<u>Found (mg/kg)</u>
Dichlorodifluoromethane	75-71-8	1	ND
1,1-Dichloroethane	75-34-3	1	ND
1,2-Dichloroethane	107-06-02	1	ND
1,1-Dichloroethylene	75-35-4	1	ND
Trans-1,2-Dichloroethylene	156-60-5	1	ND
1,2-Dichloropropane	78-87-5	1	ND
1,3-Dichloropropene	10061-02-6	1	ND
Ethylbenzene	100-41-4	1	ND
Methylene Chloride	75-09-2	1	ND
1,1,2,2-Tetrachloroethane	79-34-5	1	ND
Tetrachloroethylene	127-18-4	1	ND
Toluene	108-88-3	1	ND
1,1,1-Trichloroethane	71-55-6	1	ND
1,1,2-Trichloroethane	79-00-5	1	ND
Trichloroethylene	79-01-6	1	ND
Trichlorofluoromethane	75-69-4	1	ND
Vinyl Chloride	75-01-4	1	ND

ND = None Detected





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Lab No. 85-10911

VOLATILE COMPOUNDS: Method 8240, Ref. SW846, Second Edition, July 1982

Sample Number: K-3 (Comp A, B, C)Sample Matrix: SoilSample Size: 1 grm/1 ml 10 uls purgeInternal Std. Concs.  
(total ngs.)Surrogate Std. Concs.  
(total ngs.)

Bromochloromethane	5000
1,4-Difluorobenzene	5000
D <sub>5</sub> -Chlorobenzene	4900
D <sub>4</sub> -1,2-Dichloroethane	49
1-Bromo-4-Fluorobenzene	52
d <sub>8</sub> -Deuterotoluene	52

Parameter	CAS No.	Method Detection Limit (mg/kg)	Found (mg/kg)
Acrolein	107-02-8	10	ND
Acrylonitrile	107-13-1	10	ND
Benzene	71-43-2	1	ND
Bromodichloromethane	75-27-4	1	ND
Bromoform	75-25-2	1	ND
Bromomethane	74-83-9	1	ND
Carbon Tetrachloride	56-23-5	1	ND
Chlorobenzene	108-90-7	1	ND
Chlorodibromomethane	124-48-1	1	ND
Chloroethane	75-00-3	1	ND
2-Chloroethyl vinyl ether	110-75-8	1	ND
Chloroform	67-66-3	1	ND
Chloromethane	74-87-3	1	ND

ND = None Detected



TOTAL ANALYTICAL SERVICES FOR A SAFE ENVIRONMENT

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Lab. No.: 85-10911

VOLATILE COMPOUNDS : Method 8240 Ref. SW846 Second Edition July 1982Sample Number: K-3 (Comp A, B, C)Sample Matrix Soil

<u>Parameter</u>	<u>CAS No.</u>	<u>Method Detection Limit (mg/kg)</u>	<u>Found (mg/kg)</u>
Dichlorodifluoromethane	75-71-8	1	ND
1,1-Dichloroethane	75-34-3	1	ND
1,2-Dichloroethane	107-06-02	1	ND
1,1-Dichloroethylene	75-35-4	1	ND
Trans-1,2-Dichloroethylene	156-60-5	1	ND
1,2-Dichloropropane	78-87-5	1	ND
1,3-Dichloropropene	10061-02-6	1	ND
Ethylbenzene	100-41-4	1	ND
Methylene Chloride	75-09-2	1	ND
1,1,2,2-Tetrachloroethane	79-34-5	1	ND
Tetrachloroethylene	127-18-4	1	ND
Toluene	108-88-3	1	ND
1,1,1-Trichloroethane	71-55-6	1	ND
1,1,2-Trichloroethane	79-00-5	1	ND
Trichloroethylene	79-01-6	1	ND
Trichlorofluoromethane	75-69-4	1	ND
Vinyl Chloride	75-01-4	1	ND

ND = None Detected



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Lab No 85-10911

VOLATILE COMPOUNDS: Method 8240, Ref. SW846, Second Edition, July 1982

Sample Number: K-4 (Comp A, B, C)

Sample Matrix: Soil

Sample Size: 1 grm/1 ml 10  $\mu$ ls purgeInternal Std. Concs.  
(total ngs.)Surrogate Std. Concs.  
(total ngs.)

Bromochloromethane	5000
1,4-Difluorobenzene	5000
D <sub>5</sub> -Chlorobenzene	4900
D <sub>4</sub> -1,2-Dichloroethane	49
1-Bromo-4-Fluorobenzene	52
d <sub>8</sub> -Deuterotoluene	52

Parameter	CAS No.	Method Detection Limit (mg/kg)	Found (mg/kg)
Acrolein	107-02-8	10	ND
Acrylonitrile	107-13-1	10	ND
Benzene	71-43-2	1	ND
Bromodichloromethane	75-27-4	1	ND
Bromoform	75-25-2	1	ND
Bromomethane	74-83-9	1	ND
Carbon Tetrachloride	56-23-5	1	ND
Chlorobenzene	108-90-7	1	ND
Chlorodibromomethane	124-48-1	1	ND
Chloroethane	75-00-3	1	ND
2-Chloroethyl vinyl ether	110-75-8	1	ND
Chloroform	67-66-3	1	ND
Chloromethane	74-87-3	1	ND

ND = None Detected



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Lab. No 85-10911

VOLATILE COMPOUNDS : Method 8240 Ref. SW846 Second Edition July 1982Sample Number: K-4 (Comp A, B, C)Sample Matrix Soil

<u>Parameter</u>	<u>CAS No.</u>	<u>Method Detection Limit (mg/kg)</u>	<u>Found (mg/kg)</u>
Dichlorodifluoromethane	75-71-8	1	ND
1,1-Dichloroethane	75-34-3	1	ND
1,2-Dichloroethane	107-06-02	1	ND
1,1-Dichloroethylene	75-35-4	1	ND
Trans-1,2-Dichloroethylene	156-60-5	1	ND
1,2-Dichloropropane	78-87-5	1	ND
1,3-Dichloropropene	10061-02-6	1	ND
Ethylbenzene	100-41-4	1	ND
Methylene Chloride	75-09-2	1	ND
1,1,2,2-Tetrachloroethane	79-34-5	1	ND
Tetrachloroethylene	127-18-4	1	ND
Toluene	108-88-3	1	ND
1,1,1-Trichloroethane	71-55-6	1	ND
1,1,2-Trichloroethane	79-00-5	1	ND
Trichloroethylene	79-01-6	1	ND
Trichlorofluoromethane	75-69-4	1	ND
Vinyl Chloride	75-01-4	1	ND

ND = None Detected



TOTAL ANALYTICAL SERVICES FOR A SAFE ENVIRONMENT

nytest environmental inc.

Page 29

Lab No 85-10911

VOLATILE COMPOUNDS: Method 8240, Ref. SW846, Second Edition, July 1982Sample Number: K-4 DuplicateSample Matrix: SoilSample Size: 1 grm/1 ml 10  $\mu$ ls purgeInternal Std. Concs.  
(total ngs.)

Bromochloromethane	<u>5000</u>
1,4-Difluorobenzene	<u>5000</u>
D <sub>5</sub> -Chlorobenzene	<u>4900</u>

Surrogate Std. Concs.  
(total ngs.)

D <sub>4</sub> -1,2-Dichloroethane	<u>49</u>
1-Bromo-4-Fluorobenzene	<u>52</u>
d <sub>8</sub> -Deuterotoluene	<u>52</u>

<u>Parameter</u>	<u>CAS No.</u>	<u>Method Detection Limit (mg/kg)</u>	<u>Found (mg/kg)</u>
Acrolein	107-02-8	10	ND
Acrylonitrile	107-13-1	10	ND
Benzene	71-43-2	1	ND
Bromodichloromethane	75-27-4	1	ND
Bromoform	75-25-2	1	ND
Bromomethane	74-83-9	1	ND
Carbon Tetrachloride	56-23-5	1	ND
Chlorobenzene	108-90-7	1	ND
Chlorodibromomethane	124-48-1	1	ND
Chloroethane	75-00-3	1	ND
2-Chloroethyl vinyl ether	110-75-8	1	ND
Chloroform	67-66-3	1	ND
Chloromethane	74-87-3	1	ND

ND = None Detected



TOTAL ANALYTICAL SERVICES FOR A SAFE ENVIRONMENT

nytest environmental inc.

Page: 30

Lab. No. 85-10911

VOLATILE COMPOUNDS : Method 8240 Ref. SW846 Second Edition July 1982Sample Number: K-4 DuplicateSample Matrix Soil

<u>Parameter</u>	<u>CAS No.</u>	<u>Method Detection Limit (mg/kg)</u>	<u>Found (mg/kg)</u>
Dichlorodifluoromethane	75-71-8	1	ND
1,1-Dichloroethane	75-34-3	1	ND
1,2-Dichloroethane	107-06-02	1	ND
1,1-Dichloroethylene	75-35-4	1	ND
Trans-1,2-Dichloroethylene	156-60-5	1	ND
1,2-Dichloropropane	78-87-5	1	ND
1,3-Dichloropropene	10061-02-6	1	ND
Ethylbenzene	100-41-4	1	ND
Methylene Chloride	75-09-2	1	ND
1,1,2,2-Tetrachloroethane	79-34-5	1	ND
Tetrachloroethylene	127-18-4	1	ND
Toluene	108-88-3	1	ND
1,1,1-Trichloroethane	71-55-6	1	ND
1,1,2-Trichloroethane	79-00-5	1	ND
Trichloroethylene	79-01-6	1	ND
Trichlorofluoromethane	75-69-4	1	ND
Vinyl Chloride	75-01-4	1	ND

ND = None Detected

SUFFOLK COUNTY DEPARTMENT OF HEALTH SERVICES

MEMORANDUM

TO: Steve Cary

DATE: Nov. 1, 1984

FROM: James Pim

SUBJECT: REQUEST FOR INSTALLATION OF GROUNDWATER MONITORING WELLS  
JAGGER LANE WELL CONTAMINATION

-----

A request is being made for the installation of groundwater observation wells in the vicinity of Jagger Lane, Windwood Court and Montauk Highway in in order to locate the source of a number of well contaminations in this area.

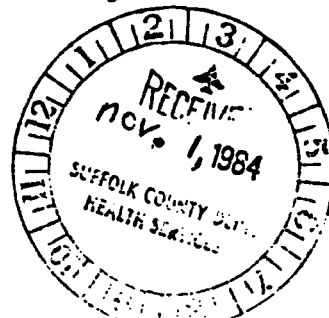
Surveys of various industries and commercial establishments along Montauk Highway have not revealed any possible source. The only facility that may be remotely considered to be a suspect is Suffolk Life located to the east of Jagger Lane and south of Montauk Highway.

The survey also revealed the presence of an old asphalt batching plant, which was found in an area to the west of Jagger Lane and north of Montauk Highway. However, without a true idea of local groundwater flow direction it is difficult to ascertain whether or not the asphalt plant can be considered as a possible source.

It also should be noted that an old landfill site exists in an area north of the Long Island trailroad tracks and east of Old Westhampton Road. The landfill site is noted on figure 1.

Figure 2 is a 1 - 200 scale map of the affected area. The property boundaries noted on figure 2 came from the latest tax map compilations provided to this unit by the Real Property Section in Riverhead. The numbers in the blocks indicate the property tax lot numbers.

Figure 3 was completed by the Drinking Water Quality Section and shows the houses that have been affected and the concentrations of the various pollutants detected in the drinking water



To: Steve Cary

- 2 -

Nov. 1, 1984

wells of the homes.

If you need further information in support of this request  
please do not hesitate to contact Alex Santino.



James Pim  
JP/AS/rt  
Att.



APPENDIX D

EPA NEWS RELEASE

OSC REPORT  
JAGGER LANE  
WESTHAMPTON, NY



## News Release

85(36) Rich Cahill (212) 264-2515

FOR RELEASE: Wednesday, May 15, 1985

EPA USING SUPERFUND TO CORRECT DRINKING WATER PROBLEMS IN SECTION OF WEST HAMPTON, LONG ISLAND

NEW YORK -- The U.S. Environmental Protection Agency (EPA) is taking action under Superfund to extend public water lines to serve a section of West Hampton, Long Island where chemical contamination spreading through groundwater has already affected some private wells and threatens others.

In addition to delivery of bottled water to those homes already affected and the line extension, Superfund will pay for the installation of mains, taps, meters and hook-ups for approximately 50 homes at risk on Jagger Lane and Windwood Court in West Hampton. When the work is completed, all the residences in the area threatened by chemical contamination will have an alternate, safe drinking water supply.

EPA Regional Administrator Christopher J. Daggett said, "The people living in the homes already affected have been advised not to use their wells for drinking and household

-more-

purposes. Our initial objective is to try and protect their health by providing bottled water until hook-ups to a public supply can be completed.

" EPA will be working with the State of New York, Suffolk County, Town of South Hampton, and the Suffolk County Water Authority to remedy this situation. Expectations are high that we will be able to alleviate the problem expeditiously, as was the case in the Sag Harbor situation earlier this year," Daggett said.

EPA received a request for Superfund action from the New York Department of Environmental Conservation (DEC) toward the end of April, after results of Suffolk County Department of Health Services well sampling in January through March of this year became available.

Six hazardous substances have been identified in the well-water at levels exceeding EPA and State criteria.

EPA estimates that the total cost of the project will be around \$450,000.

The Agency has issued requests to four private parties potentially responsible for the contamination in the local groundwater. Should a responsible party be identified and be willing to undertake this action and to act promptly, the necessity to expend Superfund money for this project would be averted.

###

APPENDIX E

HOOK-UP LIST  
JAGGER LANE  
WESTHAMPTON, NY

OSC REPORT  
JAGGER LANE  
WESTHAMPTON, NY

LIST OF RESIDENTS  
JAGGER LANE, WESTHAMPTON. NEW YORK  
Revised: September 12, 1986

1 of 7

<u>Reference Number</u>	<u>Resident Name and Address</u>	<u>Service Size</u>	<u>Service Connection Date</u>	<u>Remarks</u>
1	Leon Kempster 10 Windwood Ct.	3/4"	9/19/85	
2	Sheila Thorp 11 Windwood Ct.	3/4"	9/19/85	
3	John Fitzgerald 75 Jagger Lane	3/4"	9/19/85	
4	Paul Libri 59 Jagger Lane	3/4"	9/19/85	
5	William Eagle 15 Windwood Ct.	3/4"	9/19/85	
6	June Pearson 78 Jagger Lane	3/4"	9/20/85	
7	Inge Izzi 19 Windwood Ct.	3/4"	9/20/85	
8	Henri Bengualid 69 Jagger Lane	3/4"	9/20/85	
9	James Halliman 16 Windwood Ct.	3/4"	9/20/85	
10	Blanch O'Hara 65 Jagger Lane	3/4"	9/20/85	
11	Lilian Curley 13 Jagger Lane	3/4"	9/20/85	
12	Peter Mattingly 20 Windwood Ct.	3/4"	9/23/85	
13	Thomas Hadlick 62 Jagger Lane	3/4"	9/23/85	

LIST OF RESIDENTS  
JAGGER LANE, WESTHAMPTON. NEW YORK  
Revised: September 12, 1986

2 of 7

<u>Reference Number</u>	<u>Resident Name and Address</u>	<u>Service Size</u>	<u>Service Connection Date</u>	<u>Remarks</u>
14	St. Mark Epis. Church 4 Windwood Ct.	3/4"	9/23/85	
15	Jerome Alperis Montauk Hwy.	3/4"	9/23/85	Cottage
16	Jerome Alperis Montauk Hwy.	3/4"	9/23/85	House
17	Louise LeVein 74 Jagger Lane	1"	9/23/85	
18	Patrick Connolly 77 Jagger Lane	3/4"	9/24/85	
19	Florence Cusak 84 Jagger Lane	3/4"	9/24/85	
20	G. Guilfoyle 80 Jagger Lane	3/4"	9/24/85	
21	Smith 82 Jagger Lane	3/4"	9/24/85	
22	Paul Kneski Montauk Hwy.	3/4"	9/24/85	
23	Matthew Martin 49 Jagger Lane	3/4"	9/24/85	House
24	Matthew Martin 49 Jagger Lane	3/4"	9/24/85	Garage & Apartment
25	Wilson VanRees 79 Jagger Lane	3/4"	9/24/85	

LIST OF RESIDENTS  
JAGGER LANE, WESTHAMPTON. NEW YORK  
Revised: September 12, 1986

3 of 7

<u>Reference Number</u>	<u>Resident Name and Address</u>	<u>Service Size</u>	<u>Service Connection Date</u>	<u>Remarks</u>
26	Ann Novak 57 Jagger Lane	3/4"	9/24/85	
27	Armond Sposato 86 Jagger Lane	1"-RPZ	9/25/85	
28	Tom Altier 14 Windwood Ct.	1"-RPZ	9/25/85	
29	Peter Rogers 88 Jagger Lane	1"-RPZ	9/25/85	
30	Jean Dupicz 21 Windwood Ct.	1"-RPZ	9/25/85	
31	Jerome Albert 2 Windwood Ct.	1"-RPZ	9/25/85	
32	Nick Koni 137 Montauk Hwy.	3/4"	9/25/85	
33	Joel Glasky 70 Jagger Lane	1"-RPZ	9/25/85	
34	Edward Walsh 61 Jagger Lane	1"-RPZ	9/25/85	
35	Gerson Helfant 44 Jagger Lane	1"-RPZ	9/25/85	
36	Joseph Hopkins 55 Jagger Lane	1"-RPZ	9/25/85	
37	Rose Smith 6 Windwood Ct.	1"-RPZ	10/8/85	

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LIST OF RESIDENTS  
JAGGER LANE, WESTHAMPTON, NEW YORK  
Revised: September 12, 1986

4 of 7

<u>Reference Number</u>	<u>Resident Name and Address</u>	<u>Service Size</u>	<u>Service Connection Date</u>	<u>Remarks</u>
38	R. Scammell 48 Jagger Lane	1"-RPZ	10/8/85	
39	William Finkelstein 66 Jagger Lane	1"-RPZ	10/8/85	
40	Robert Maslow 47 Jagger Lane	1"-RPZ	10/8/85	
41	Arthur Benjamin, 53 Jagger Lane	1"-RPZ	10/8/85	
42	Richard Rubio 54 Jagger Lane	1"	10/8/85	
43	Susan Capozzola 52 Jagger Lane	1"-RPZ	10/9/85	
44	Alpert Furniture Montauk Hwy.	3/4"-RPZ	10/9/85	
45	Kneski Asphalt Co. Montauk Hwy.	3/4"-RPZ	10/9/85	
46	Albert Stasse 76 Jagger Lane	3/4"	10/21/85	
47	Judith Burger 83 Jagger Lane	1"-RPZ	10/21/85	
48	John Calkin 87 Jagger Lane	1"	10/21/85	
49	J. McCreadie 4 Windwood Ct.	1"-RPZ	10/21/85	
50	William Reden 68 Jagger Lane	1"-RPZ	10/21/85	
51	Peter Barnet 46 Jagger Lane	1"-RPZ	10/21/85	

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LIST OF RESIDENTS  
JAGGER LANE, WESTHAMPTON, NEW YORK  
Revised: September 12, 1986

5 of 7

<u>Reference Number</u>	<u>Resident Name and Address</u>	<u>Service Size</u>	<u>Service Connection Date</u>	<u>Remarks</u>
52	William Fitzsimons Montauk Hwy.	1"	10/22/85	
53	William Fitzsimons Montauk Hwy.	1"	10/22/85	
54	Robert Wolff 134C Montauk Hwy.	1"-RPZ	10/22/85	
55	Suffolk Life Montauk Hwy.	1"-RPZ	10/22/85	
56	Kresberg Montauk Hwy.	1"-RPZ	10/23/85	
57	Harvey Grotsky 81 Jagger Lane	1"-RPZ	10/23/85	
58	Judith Backer 42 Jagger Lane	1"-RPZ	10/23/85	
59	Sam Nissenson 63 Jagger Lane	1"-RPZ	10/23/85	
60	James Rutledge 85 Jagger Lane	1"-RPZ	12/19/85	
61	Diane Kane 50 Jagger Lane	1"-RPZ	12/19/85	
62	Linda Abbett 122 Montauk Hwy.	1"-RPZ	12/19/85	
63	H. Huebner 34 Jagger Lane	3/4"	5/01/86	
64	James Cunningham 28 Jagger Lane	3/4"	5/01/86	
65	H. Schneider 18 Windwood Ct.	1"-RPZ	5/01/86	

LIST OF RESIDENTS  
JAGGER LANE, WESTHAMPTON, NEW YORK  
Revised: September 12, 1986

6 of 7

<u>Reference Number</u>	<u>Resident Name and Address</u>	<u>Service Size</u>	<u>Service Connection Date</u>	<u>Remarks</u>
66	James Cunningham South Road	1"	5/16/86	
67	James Cunningham 28 Jagger Lane	3/4"	5/16/86	
68	John Neal South Rd.	3/4"	5/01/86	
69	Henry Harfield South Rd.	3/4"	5/28/86	
70	Henry Harfield South Rd.	3/4"		Owner made final hookup
71	Jo Dwek 58 Jagger Lane	1"	2/7/86	
72	Kresberg 124(B) Montauk Hwy.	1"		Owner made final hookup
73	Trescott 27 Jagger Lane	3/4"	5/01/86	
74	Angelo Golfo 45 Jagger Lane	1"	2/7/86	
75	John Kubica Montauk Hwy.	3/4"	4/86	Owner made final hookup
76	<u>          </u> 5 Windwood Ct.	3/4"		Owner made final hookup
77	Castello 43 Jagger Lane	1"-RPZ	9/12/86	

LIST OF RESIDENTS  
JAGGER LANE. WESTHAMPTON. NEW YORK  
Revised: September 12, 1986

7 of 7

<u>Reference Number</u>	<u>Resident Name and Address</u>	<u>Service Size</u>	<u>Service Connection Date</u>	<u>Remarks</u>
78	Vincent Conlon Montauk Hwy.	1"-RPZ	8/15/86	
79	Eagle Montauk Hwy.	1"		Building torn down after the service connection
80	Nicholas Koni Montauk Hwy.	1"-RPZ	8/15/86	
81	William Fitzsimon 53 Montauk Hwy.	1"		Owner refused final connec- tion

APPENDIX F

PHOTOS

OSC REPORT  
JAGGER LANE  
WESTHAMPTON, NY

APPENDIX G  
POLLUTION REPORTS (POLREPS)

OSC REPORT  
JAGGER LANE  
WESTHAMPTON, NY

8505-17  
3370  
U.S. ENVIRONMENTAL PROTECTION AGENCY

POLLUTION REPORT

DATE: May 14, 1985

Region II  
Response and Prevention Branch  
Edison, New Jersey 08837

(201) 321-6670 - Commercial  
(201) 548-8730 - 24 Hr. Emergency  
340-6670 - FTS

TO: C. Daggett, EPA  
W. Librizzi, EPA  
F. Rubel, EPA  
W. Mugdan, EPA  
J. Marshall, EPA  
USCG 3rd District, (mer)  
USCG COTPNY  
ERD, EPA Washington, D.C.  
(Data Gram)  
N. Nosenchuck, NYSDEC  
NRC  
R. Schneck, NYSDEC  
A. Andreoli, SCHDS  
D. Axelrod, NYSDOH  
R. Ogg, EPA  
W. Andrews, EPA

POLREP NO.: One (1)  
INCIDENT NAME: Jagger Lane Site  
SITE/SPILL NO.:  
POLLUTANT: Volatile Organics  
CLASSIFICATION: Major  
SOURCE: Unknown  
LOCATION: Southampton, New York  
AMOUNT: Unknown  
WATER BODY: Groundwater

1. SITUATION:

A. New York State Department of Environmental Conservation (NYSDEC) requested in April, 1985 that CERCLA funding be used to protect the health of certain residents in the area of Jagger Lane, Southampton Township, Suffolk County, New York. A plume of contaminated groundwater had been identified in this area by Suffolk County Department of Health Services (SCDHS).

B. During the period of 1981 to 1983 the SCDHS had tested approximately 30 homes located in this area. In addition, during January to May, 1985, SCDHS had tested nearly 40 private wells, drilled approximately 30 test wells and analyzed samples from these sources, attempting to define the extent of the plume of contaminated groundwater and to locate the source of the plume. To date, these efforts have not yet defined the extent of the plume or

identified the source(s). However, within the affected area, 22 homes showed well contamination at one time or another. The contamination consisted primarily of 6 volatile organics, including trichloroethane, trichloroethylene, tetrachloroethylene, dichloroethane, cis-dichloroethylene, and dichloropropane.

C. Contaminant levels in the 22 affected private wells showed 6 wells exceeding New York State Department of Health (NYSDOH) guideline limits for organic chemicals in potable water. One of these wells showed levels above the United States Environmental Protection Agency 10 Day Suggested No Adverse Response Level (SNARL) for trichloroethylene and cis-dichloroethylene.

D. SCDHS findings were reviewed and assessed by EPA Region II, Emergency and Remedial Response Division Response and Prevention Branch. A recommendation that an immediate removal action be undertaken was made.

2. ACTION TAKEN:

A. The Regional Administrator, EPA Region II, granted funding authorization verbally on May 3, 1985 for an immediate removal action to provide bottled water to the six affected residences whose wells were contaminated in excess of the NYSDOH guideline limits for organic chemicals in potable water.

B. On May 8, 1985, a work delivery order to the Emergency Response Cleanup Services Contractor was placed by the EPA's On-Scene Coordinator (OSC). The work delivery order included the allocation and delivery of up to 42 gallons of bottled water per week to six residences.

C. A letter to the affected residents outlining the impending action was hand delivered by the OSC, a representative of the EPA Office of External Programs, and a member of the Roy F. Weston Technical Assistance Team (TAT) on May 10, 1985. Also, on this date first deliveries of bottled water were provided at four of six residences identified to receive bottled water. The remaining two residences could not be contacted at this time.

D. Coordination was initiated by the OSC, with Suffolk County Water Authority (SCWA) officials, on May 10, 1985 with intent to achieve SCWA timely installation of water mains, taps and meters to provide water for the threatened residents.

E. Efforts to achieve responsible party funded completion of the removal action are ongoing. Information request letters have been delivered to potentially responsible parties.

3. FUTURE PLANS:

A. Written approval of the proposed Immediate Removal Action, including extension of the water main and tie-ins, was confirmed by the EPA Regional Administrator on May 14, 1985. A public meeting may be scheduled at the site area by the EPA Office of External Programs to inform the affected residents of the details concerning the removal action.

The SCDHS, SCWA, NYSDEC and Township of Southampton will be informed of any scheduled date of a public meeting.

B. Coordination by the OSC with Town of Southampton officials will be initiated to achieve timely installation of residential potable water hookups to connect SCWA mains to the affected homes.

C. Bottled water will be provided by the EPA until a more reliable solution is implemented.

CASE CLOSED \_\_\_\_\_ CASE PENDING X

SUBMITTED BY

(for)

Fred Phibel  
W. Gad Tawadros, OSC  
Response and Prevention  
Branch

(TAT)

DATE RELEASED: 5/20/85



8505-17  
3370

U.S. ENVIRONMENTAL PROTECTION AGENCY

POLLUTION REPORT

DATE: May 22, 1985

Region II  
Response and Prevention Branch  
Edison, New Jersey 08837

(201) 321-6670 - Commercial  
(201) 548-8730 - 24 Hr. Emergency  
340-6670 - FTS

TO: C. Daggett, EPA  
W. Librizzi, EPA  
F. Rubel, EPA  
W. Mugdan, EPA  
J. Marshall, EPA  
USCG 3rd District, (mer)  
USCG COTPNY  
ERD, EPA Washington, D.C.  
(Data Gram)  
N. Nosenchuck, NYSDEC  
NRC  
R. Schneck, NYSDEC  
A. Andreoli, SCHDS  
D. Axelrod, NYSDOH  
R. Ogg, EPA  
W. Andrews, EPA

POLREP NO.: Two (2)  
INCIDENT NAME: Jagger Lane Site  
SITE/SPILL NO.:  
POLLUTANT: Volatile Organics  
CLASSIFICATION: Major  
SOURCE: Unknown  
LOCATION: Southampton, New York  
AMOUNT: Unknown  
WATER BODY: Groundwater

1. SITUATION:

A. New York State Department of Environmental Conservation (NYSDEC) requested in April, 1985 that CERCLA funding be used to protect the health of certain residents in the area of Jagger Lane, Southampton Township, Suffolk County, New York. A plume of contaminated groundwater had been identified in this area by Suffolk County Department of Health Services (SCDHS). Within the affected area, 22 homes showed well contamination at one time or another. The contamination consisted primarily of 6 volatile organics, including trichloroethane, trichloroethylene, tetrachloroethylene, dichloroethane, cis-dichloroethylene, and dichloropropane.

B. Contaminant levels in the 22 affected private wells showed 6 wells exceeding New York State Department of Health (NYSDOH) guideline limits for organic chemicals in

potable water. One of these wells showed levels above the United States Environmental Protection Agency 10 Day Suggested No Adverse Response Level (SNARL) for trichloroethylene and cis-dichloroethylene.

C. The Regional Administrator, EPA Region II, granted funding authorization verbally on May 3, 1985 for an immediate removal action to provide bottled water to the six affected residences whose wells were contaminated in excess of the NYSDOH guideline limits for organic chemicals in potable water. Bottled water is being provided by the EPA to the six affected residences.

Written approval of the proposed Immediate Removal Action, including extension of the water main and tie-ins, was confirmed by the EPA Regional Administrator on May 14, 1985.

2. ACTION TAKEN:

A. On May 15, 1985, the U.S. Environmental Protection Agency (EPA) issued a news release outlining the Superfund action to extend public water lines to serve the affected area. This news release was hand delivered by the EPA to the Southampton Town Supervisor and Town Council and to several residents of the affected area.

B. Meetings have continued with the Suffolk County Water Authority (SCWA) to prepare contract documents for achieving SCWA timely installation of water mains, taps and meters to provide water for the threatened residents.

C. Coordination by the EPA with Town of Southampton officials has been initiated to achieve timely installation of residential potable water hookups to connect SCWA mains to the affected homes.

D. On May 17, 1985, a second letter to the affected residents was hand delivered by the EPA's On Scene Coordinator (OSC), a representative of the EPA Office of External Programs, and a member of the Roy F. Weston Technical Assistance Team (TAT). The letter confirmed the EPA's decision for extending the public water main to the Jagger Lane area. In addition, application forms for SCWA meter and service were included with the letters delivered to each residence, along with instructions for completing and returning the forms.

3. FINANCIAL SITUATION:

A.	Total Funds (Extramural) Authorized For Mitigation Contracts as per C. Daggett's authorization of May 14, 1985	\$ 387,587
B.	Expenditures for Mitigation Contracts	
1.a.	Amount obligated to OH Materials #6893-02-022	5,000
1.b.	Estimated expenditures for #6893-02-022 through 5/21/85	248
1.c.	Balance remaining for #6893- 02-022	4,752
C.	Unobligated balance remaining (Item A minus total obligations made)	382,587
D.	Estimated of total expenditures to date for all mitigation contracts through 5/21/85	248
E.	Other Extramural Costs	
1.	TAT, other expenses (salary/ travel) through 5/21/85	2,519
2.	Total, other extramural costs through 5/21/85	2,519
F.	Intramural Removal Costs (salary/travel through 5/21/85)	1,250
G.	Total Expenditures and Percentage of \$1,000,000	4,017 (.40%)

4. FUTURE PLANS:

A. A letter contract with the SCWA for the installation of water mains, taps and meters should be formalized during the week of May 20, 1985.

B. A letter contract with the Town of Southampton for the installation of hookups should be formalized during the week of May 20, 1985.

C. Bottled water will continue to be provided to those affected homes having well water in excess of contaminated NYSDOH limits by the EPA until the water main installation is completed.

CASE CLOSED \_\_\_\_\_  
(TAT)

CASE PENDING X

SUBMITTED BY

L.H. Zach. for

W. Gad Tawadros, OSC  
Response and Prevention  
Branch

DATE RELEASED: \_\_\_\_\_

5/24/85

8205-17  
3370

U.S. ENVIRONMENTAL PROTECTION AGENCY

POLLUTION REPORT

DATE: May 28, 1985

Region II  
Response and Prevention Branch  
Edison, New Jersey 08837

(201) 321-6670 - Commercial  
(201) 548-8730 - 24 Hr. Emergency  
340-6670 - FTS

TO: C. Daggett, EPA  
W. Librizzi, EPA  
F. Rubel, EPA  
W. Mugdan, EPA  
J. Marshall, EPA  
USCG 3rd District, (mer)  
USCG COTPNY  
ERD, EPA Washington, D.C.  
(Data Gram)  
N. Nosenchuck, NYSDEC  
NRC  
P. Candela, NYSDEC  
A. Andreoli, SCDHS  
D. Axelrod, NYSDOH  
R. Ogg, EPA  
W. Andrews, EPA

POLREP NO.: Three (3)  
INCIDENT NAME: Jagger Lane Site  
SITE/SPILL NO.:  
POLLUTANT: Volatile Organics  
CLASSIFICATION: Major  
SOURCE: Unknown  
LOCATION: Southampton, New York  
AMOUNT: Unknown  
WATER BODY: Groundwater

1. SITUATION:

A. (As before).

2. ACTION TAKEN:

A. On May 24, 1985, Mr. Patrick Flynn of the Procurement Branch of the headquarters Contracting Office for the U.S. EPA signed an \$87,000 letter contract (No. 68-62-0015) with the Town of Southampton for the installation of potable water hookups for approximately 60 residences.

B. On May 24, 1985, Mr. Patrick Flynn of the Procurement Branch of the headquarters Contracting Office for the U.S. EPA also signed a \$189,000 letter contract (No. 68-62-0016) with the Suffolk County Water Authority (SCWA) to install water mains, taps and meters.

3. FINANCIAL SITUATION:

A.	Total Funds (Extramural) Authorized For Mitigation Contracts as per C. Daggett's authorization of May 14, 1985	\$ 387,587
B.	Expenditures for Mitigation Contracts	
1.a.	Amount obligated to OH Materials #6893-02-022	5,000
1.b.	Estimated expenditures for #6893-02-022 through 5/24/85	248
1.c.	Balance remaining for #6893- 02-022	4,752
2.a.	Amount obligated to Suffolk County Water Authority	189,000
2.b.	Estimated expenditures for #68-62-0016 through 5/24/85	-0-
2.c.	Balance remaining for #68-62-0016	189,000
3.a.	Amount obligated to Town of Southampton	87,000
3.b.	Estimated expenditures for #68-62-0015 through 5/24/85	-0-
3.c.	Balance remaining for #68-62-0015	87,000
C.	Unobligated balance remaining (Item A minus total obligations made)	106,587
D.	Estimate of total expenditures to date for all mitigation contracts through 5/24/85	248
E.	Other Extramural Costs	
1.	TAT, other expenses (salary/ travel) through 5/24/85	3,969
2.	Total, other extramural costs through 5/24/85	3,969

F. Intramural Removal Costs  
(salary/travel through 5/24/85) 1,950

G. Total Expenditures and Percentage  
of \$1,000,000 6,167  
(.62%)

4. FUTURE PLANS:

A. Under the Town of Southampton contract No. 68-62-0015, Hampton Bays Water District field activities are scheduled to begin on June 3, 1985.

B. Under Suffolk County Water Authority Contract No. 68-62-0016, pre-construction preparation and planning, arrangements and design work have been initiated.

C. Bottled water will continue to be provided to those affected homes having well water in excess of contaminated NYSDOH Limits by the U.S. EPA until the water main installation is completed.

CASE CLOSED \_\_\_\_\_

CASE PENDING X

SUBMITTED BY

*W. Gad Tawadros*

(TAT)

(for)

W. Gad Tawadros, OSC  
Response and Prevent:  
Branch

DATE RELEASED:

5/30/85

3205-17  
3370

U.S. ENVIRONMENTAL PROTECTION AGENCY

POLLUTION REPORT

DATE: June 3, 1985

Region II  
Response and Prevention Branch  
Edison, New Jersey 08837

(201) 321-6670 - Commercial  
(201) 548-8730 - 24 Hr. Emergency  
340-6670 - FTS

TO: C. Daggett, EPA  
W. Librizzi, EPA  
F. Rubel, EPA  
W. Mugdan, EPA  
J. Marshall, EPA  
USCG 3rd District, (mer)  
USCG COTPNY  
ERD, EPA Washington, D.C.  
(Data Gram)  
N. Nosenchuck, NYSDEC  
NRC  
A. Candela, NYSDEC  
A. Andreoli, SCDHS  
D. Axelrod, NYSDOH  
R. Ogg, EPA  
W. Andrews, EPA

POLREP NO.: Four (4)  
INCIDENT NAME: Jagger Lane Site  
SITE/SPILL NO.:  
POLLUTANT: Volatile Organics  
CLASSIFICATION: Major  
SOURCE: Unknown  
LOCATION: Southampton, New York  
AMOUNT: Unknown  
WATER BODY: Groundwater

1. SITUATION:

A. (As before).

2. ACTION TAKEN:

A. On May 29, 1985, a meeting was held at the site area with the U.S. EPA-OSC, a member of the EPA Technical Assistance Team (TAT), and Robert Alberti, Supervisor of the Hampton Bays Water District of the Town of Southampton. Mr. Alberti was given a map which depicts the location of the residents requiring water hookups and a brief site visit was conducted.

B. On May 30, 1985, bottled water was delivered by the U.S. EPA, as needed, to those affected homes having well water contaminated in excess of NYSDOH limits.



C. As of May 30, 1985, there were no responses from potential responsible parties to the CERCLA 106 Letters of Notification sent by U.S. EPA-ERRD-SIC.

D. On May 30, 1985, the EPA, OSC made arrangements with the Suffolk County Department of Health Services (SCDHS) for sampling septic subsurface disposal facilities for dry wells located at the Suffolk Life Building and Kneski Asphalt Co. property located on Montauk Highway in Westhampton, NY. This sampling was requested by the U.S. EPA-ERRD-SIC Branch to assist in their evaluation of potential responsible parties associated with the source of groundwater contamination, at the site.

3. FINANCIAL SITUATION:

A. Total Funds (Extramural) Authorized For Mitigation Contracts as per C. Daggett's authorization of May 14, 1985	\$ 387,587
B. Expenditures for Mitigation Contracts	
1.a. Amount obligated to OH Materials #6893-02-022	5,000
1.b. Estimated expenditures for #6893-02-022 through 5/31/85	303
1.c. Balance remaining for #6893- 02-022	4,752
2.a. Amount obligated to Suffolk County Water Authority	189,000
2.b. Estimated expenditures for #68-62-0016 through 5/24/85	-0-
2.c. Balance remaining for #68-62-0016	189,000
3.a. Amount obligated to Town of Southampton	87,000
3.b. Estimated expenditures for #68-62-0015 through 5/24/85	-0-

3.c. Balance remaining for #68-62-0015	87,000
C. Unobligated balance remaining (Item A minus total obligations made)	106,587
D. Estimate of total expenditures for all mitigation contracts through 5/24/85	303
E. Other Extramural Costs	
1. TAT, other expenses (salary/ travel) through 5/31/85	5,841
2. Total, other extramural costs through 5/31/85	5,841
F. Intramural Removal Costs (salary/travel through 5/31/85)	2,950
G. Total Expenditures and Percentage of \$1,000,000	9,094 (.91%)

4. FUTURE PLANS:

A. Under the Town of Southampton contract No. 68-62-0015, Hampton Bays Water District field activities are scheduled to begin on June 3, 1985.

B. Under Suffolk County Water Authority Contract No. 68-62-0016, pre-construction preparation and planning, arrangements and design work have been initiated.

C. Bottled water will continue to be provided to those affected homes having well water in excess of contaminated NYSDOH Limits by the U.S. EPA until the water main installation is completed.

D. Sampling of the septic subsurface disposal facilities and dry wells located at the Suffolk Life Building and Kneski Asphalt Company will be scheduled to take place during the week of June 10, 1985. U.S. EPA, EPA TAT and SCDHS will participate.

CASE CLOSED \_\_\_\_\_ CASE PENDING X  
(TAT)

SUBMITTED BY N.H. Zacher Jr.  
W. Gad Tawadros, OSC  
Response and Prevention  
Branch

DATE RELEASED: June 5, 1985

3370

U.S. ENVIRONMENTAL PROTECTION AGENCY

POLLUTION REPORT

DATE: June 10, 1985

Region II  
Response and Prevention Branch  
Edison, New Jersey 08837

(201) 321-6670 - Commercial  
(201) 548-8730 - 24 Hr. Emergency  
340-6670 - FTS

TO: C. Daggett, EPA  
W. Librizzi, EPA  
F. Rubel, EPA  
W. Mugdan, EPA  
J. Marshall, EPA  
USCG 3rd District, (mer)  
USCG COTPNY  
ERD, EPA Washington, D.C.  
(Data Gram)  
N. Nosenchuck, NYSDEC  
NRC  
A. Candela, NYSDEC  
A. Andreoli, SCDHS  
D. Axelrod, NYSDOH  
R. Ogg, EPA  
W. Andrews, EPA

POLREP NO.: Five (5)  
INCIDENT NAME: Jagger Lane Site  
SITE/SPILL NO.:  
POLLUTANT: Volatile Organics  
CLASSIFICATION: Major  
SOURCE: Unknown  
LOCATION: Southampton, New York  
AMOUNT: Unknown  
WATER BODY: Groundwater

1. SITUATION:

A. A plume of contaminated groundwater continues to affect residents located in the area of Jagger Lane of the town of Westhampton on Long Island, New York. Residents within the identified plume area have been advised by the Suffolk County Department of Health Service (SCDHS) not to drink, cook with, or take hot showers with the contaminated groundwater. The U.S. EPA is continuing to provide bottled water, as needed, to those affected homes having well water contaminated in excess of NYSDOH limits.

B. The U.S. EPA command post is located in the Southampton Town Hall, Office of the Supervisor, 116 Hampton Road, Southampton, NY, 11968. This office will be available for the entire waterline installation and can be reached by calling (516) 283-6000, ext. 264.

2. ACTION TAKEN:

A. During the week of June 3 through June 7, personnel of the Hampton Bays Water District of the Town of Southampton completed surveys of 40 residential property lots in order to determine the locations of the water line hookups to be installed.

3. FINANCIAL SITUATION:

A. Total Funds (Extramural)	\$ 387,587
Authorized For Mitigation	
Contracts as per C. Daggett's	
authorization of May 14, 1985	
B. Expenditures for Mitigation	
Contracts	
1.a. Amount obligated to OH	
Materials #6893-02-022	5,000
1.b. Estimated expenditures for	
#6893-02-022 through 6/10/85	432
1.c. Balance remaining for #6893-	
02-022	4,668
2.a. Amount obligated to Suffolk	
County Water Authority	189,000
2.b. Estimated expenditures for	
#68-62-0016 through 6/7/85	-0-
2.c. Balance remaining for	
#68-62-0016	189,000
3.a. Amount obligated to Town of	
Southampton	87,000
3.b. Estimated expenditures for	
#68-62-0015 through 6/7/85	4,827
3.c. Balance remaining for	
#68-62-0015	87,000
C. Unobligated balance remaining (Item	
A minus total obligations made)	82,173
D. Estimate of total expenditures	
for all mitigation contracts	
through 6/7/85	5,259

E. Other Extramural Costs

1. TAT, other expenses (salary/  
travel) through 6/7/85 8,661
2. Total, other extramural costs  
through 5/7/85 8,661

F. Intramural Removal Costs  
(salary/travel through 5/31/85) 3,750

G. Total Expenditures and Percentage  
of \$1,000,000 17,670  
(1.8%)

4. FUTURE PLANS:

A. Under the Town of Southampton contract No. 68-62-0015, the Hampton Bays Water District is scheduled to begin installation of residential hookups on June 10, 1985.

B. Under Suffolk County Water Authority Contract No. 68-62-0016, pre-construction preparation and planning, arrangements and design work are continuing.

C. Bottled water will continue to be provided to those affected homes having well water in excess of contaminated NYSDOH Limits by the U.S. EPA until the water main installation is completed.

D. Sampling of the septic subsurface disposal facilities and dry wells located at the Suffolk Life Building and Kneski Asphalt Company is scheduled to take place June 12, 1985. U.S. EPA, EPA TAT and SCDHS will participate.

CASE CLOSED \_\_\_\_\_ CASE PENDING X SUBMITTED BY D.H. Zacher for C. Tawadros  
(TAT) W. Gad Tawadros, OSC  
Response and Prevention  
Branch

DATE RELEASED: June 13, 1985

8515-17  
3370

U.S. ENVIRONMENTAL PROTECTION AGENCY

POLLUTION REPORT

DATE: June 26, 1985

Region II  
Response and Prevention Branch  
Edison, New Jersey 08837

(201) 321-6670 - Commercial  
(201) 548-8730 - 24 Hr. Emergency  
340-6670 - FTS

TO: C. Daggett, EPA  
W. Librizzi, EPA  
F. Rubel, EPA  
W. Mugdan, EPA  
J. Marshall, EPA  
USCG 3rd District, (mer)  
USCG COTPNY  
ERD, EPA Washington, D.C.  
(E-Mail)  
N. Nosenchuck, NYSDEC  
NRC  
A. Candela, NYSDEC  
A. Andreoli, SCDHS  
D. Axelrod, NYSDOH  
R. Ogg, EPA  
W. Andrews, EPA

POLREP NO.: Six (6)  
INCIDENT NAME: Jagger Lane Site  
SITE/SPILL NO.:  
POLLUTANT: Volatile Organics  
CLASSIFICATION: Major  
SOURCE: Unknown  
LOCATION: Southampton, New York  
AMOUNT: Unknown  
WATER BODY: Groundwater

1. SITUATION:

A. Same as stated in previous POLREP.

2. ACTION TAKEN:

A. Eight residences were provided with K-Copper service lines which extended from their property lines to just inside the basements.

B. Sampling was conducted by the Technical Assistance Team on June 12 and 13. Thirteen samples were collected from cesspools, septic tanks, soil and well water at the tap.

C. Twenty-four cases of bottled water were delivered on June 14 to those affected homes having well water contaminated in excess of NYSDOH limits.

D. A meeting was held on Thursday, June 13, 1985 with the Suffolk County Water Authority (SCWA), Hampton Bays Water District (HBWD), the U.S. EPA, and TAT. The meeting was scheduled to obtain information regarding:

1. Anticipated initiation of the water main installation;
2. Placement of reduced pressure zone devices;
3. The distances over which plastic tubing can be substituted for copper tubing; and
4. Work responsibilities for the SCWA and HBWD.

3. FINANCIAL SITUATION:

A. Total Funds (Extramural) Authorized For Mitigation Contracts as per C. Daggett's authorization of May 14, 1985	\$ 387,587
B. Expenditures for Mitigation Contracts	
1.a. Amount obligated to OH Materials #6893-02-022	5,000
1.b. Estimated expenditures for #6893-02-022 through 6/26/85	576
1.c. Balance remaining for #6893- 02-022	4,424
2.a. Amount obligated to Suffolk County Water Authority	189,000
2.b. Estimated expenditures for #68-62-0016 through 6/26/85	-0-
2.c. Balance remaining for #68-62-0016	189,000
3.a. Amount obligated to Town of Southampton	87,000

3.b. Estimated expenditures for #68-62-0015 through 6/21/85	13,106.72
3.c. Balance remaining for #68-62-0015	73,893.28
C. Unobligated balance remaining (Item A minus total obligations made)	106,587
D. Estimate of total expenditures for all mitigation contracts through 6/21/85	13,682.72
E. Other Extramural Costs	
1. TAT, (salary/travel) through 6/21/85	13,824
2. Total, other extramural costs through 6/21/85	13,824
F. Intramural Removal Costs (salary/travel through 6/14/85)	4,950
G. Total Expenditures and Percentage of \$1,000,000	32,457 (3.3%)

4. FUTURE PLANS AND RECOMMENDATIONS:

- A. Complete installation of K-Copper service lines to the affected home basements or crawl spaces from the property lines.
- B. Initiate and complete installation of water mains to the affected portion of Jagger Lane and Windwood Court.
- C. Finalize project by tapping into main, complete plumbing hookup into main water lines from the affected homes, disconnect the existing line from the well and permanently cap the well.
- D. Bottled water will continue to be provided to those affected homes having well water in excess of contaminated NYSDOH limits by the U.S. EPA until the water main installation is completed.

CASE CLOSED \_\_\_\_\_ CASE PENDING X  
(TAT)

SUBMITTED BY H.H. Zsch. Jr.  
W. Gad Tawadros, OSC  
Response and Prevent  
Branch

DATE RELEASED: July 9, 1985



525-17  
3370

U.S. ENVIRONMENTAL PROTECTION AGENCY.

POLLUTION REPORT

DATE: July 1, 1985

Region II  
Response and Prevention Branch  
Edison, New Jersey 08837

(201) 321-6670 - Commercial  
(201) 548-8730 - 24 Hr. Emergency  
340-6670 - FTS

TO: C. Daggett, EPA  
W. Librizzi, EPA  
F. Rubel, EPA  
W. Mugdan, EPA  
J. Marshall, EPA  
USCG 3rd District, (mer)  
USCG COTPNY  
ERD, EPA Washington, D.C.  
(E-Mail)  
N. Nosenchuck, NYSDEC  
NRC  
A. Candela, NYSDEC  
A. Andreoli, SCDHS  
D. Axelrod, NYSDOH  
R. Ogg, EPA  
W. Andrews, EPA

POLREP NO.: Seven (7)  
INCIDENT NAME: Jagger Lane Site  
SITE/SPILL NO.: G-8  
POLLUTANT: Volatile Organics  
CLASSIFICATION: Major  
SOURCE: Unknown  
LOCATION: Southampton, New York  
AMOUNT: Unknown  
WATER BODY: Groundwater

1. SITUATION:

A. Same as stated in previous POLREP.

2. ACTION TAKEN:

A. During the week beginning June 17, 1985, 8 residences were provided with K-Copper Service Lines which extend from their property line to just inside the home basements. Thus, bringing total number of residences provided with service lines to 16.

B. On June 21, 1985, Central Locating Services, of East Syracuse, New York, located and marked buried electrical facilities at 9 homes.

C. During the weeks of June 24 and July 1, 1985, installation of K-Copper Service Lines will be temporarily discontinued by Hampton Bays Water District of Town of Southampton. This is a result of scheduled water meter readings to be conducted during this period.

D. Laboratory results from samples collected at the Suffolk Life building and the Kneski Property by U.S. EPA for enforcement related site activities on June 12 and 13, 1985, are expected by July 10, 1985. This schedule reflects difficulties reported by the testing laboratory in preparing and analyzing the sludge and soil samples.

### 3. FINANCIAL SITUATION:

A.	Total Funds (Extramural)	\$ 387,587
	Authorized For Mitigation	
	Contracts as per C. Daggett's	
	authorization of May 14, 1985	
B.	Expenditures for Mitigation	
	Contracts	
1.a.	Amount obligated to OH	
	Materials #6893-02-022	5,000
1.b.	Estimated expenditures for	
	#6893-02-022 through 6/28/85	576
1.c.	Balance remaining for #6893-	
	02-022	4,424
2.a.	Amount obligated to Suffolk	
	County Water Authority	189,000
2.b.	Estimated expenditures for	
	#68-62-0016 through 6/28/85	-0-
2.c.	Balance remaining for	
	#68-62-0016	189,000
3.a.	Amount obligated to Town of	
	Southampton	87,000
3.b.	Estimated expenditures for	
	#68-62-0015 through 6/28/85	21,365
3.c.	Balance remaining for	
	#68-62-0015	65,635
C.	Unobligated balance remaining (Item	
	A minus total obligations made)	106,587

D.	Estimate of total expenditures for all mitigation contracts through 6/28/85	\$ * 21,941
E.	Other Extramural Costs	
1.	TAT, (salary/travel) through 6/28/85	17,724
2.	Total, other extramural costs through 6/28/85	17,724
F.	Intramural Removal Costs (salary/travel through 6/28/85)	7,350
G.	Total Expenditures and Percentage of \$1,000,000	\$ 47,015 (4.7%)

4. FUTURE PLANS AND RECOMMENDATIONS:

A. Same as in previous POLREP.

CASE CLOSED \_\_\_\_\_ CASE PENDING X SUBMITTED BY A.H. Zachar, for  
 (TAT) W. Gad Tawadros, OSC  
 Response and Prevention  
 Branch

DATE RELEASED: July 11, 1985

8505-17  
3370

U.S. ENVIRONMENTAL PROTECTION AGENCY

POLLUTION REPORT

DATE: July 8, 1985

Region II  
Response and Prevention Branch  
Edison, New Jersey 08837

(201) 321-6670 - Commercial  
(201) 548-8730 - 24 Hr. Emergency  
340-6670 - FTS

TO: C. Daggett, EPA  
W. Librizzi, EPA  
F. Rubel, EPA  
W. Mugdan, EPA  
J. Marshall, EPA  
USCG 3rd District, (mer)  
USCG COTPNY  
ERD, EPA Washington, D.C.  
(E-Mail)  
N. Nosenchuck, NYSDEC  
NRC  
A. Candela, NYSDEC  
A. Andreoli, SCDHS  
D. Axelrod, NYSDOH  
R. Ogg, EPA  
W. Andrews, EPA

POLREP NO.: Eight (8)  
INCIDENT NAME: Jagger Lane Site  
SITE/SPILL NO.: G-8  
POLLUTANT: Volatile Organics  
CLASSIFICATION: Major  
SOURCE: Unknown  
LOCATION: Southampton, New York  
AMOUNT: Unknown  
WATER BODY: Groundwater

1. SITUATION:

A. Same as stated in previous POLREP.

2. ACTION TAKEN:

A. During the week of July 1 work was begun in cooperation with the Southampton Town Engineer to conform to Suffolk County Water Authority's (SCWA) requirements for reduced pressure zone (RPZ) valves in homes with swimming pools. Applications for approval of backflow prevention devices were obtained from the SCWA. The initial section of the application forms were completed and are to be signed by the homeowners.

B. Three additional homes were found by the Suffolk County Health Department to be contaminated above the New York State Department of Health guidelines for drinking

water. This brings the total number of homes exceeding the NYSDOH limits to 9. Requests for bottled water delivery will be made for the 3 additional homes.

C. The SCWA completed the surveying and marking of the roadways under which the water main extension is to be placed.

D. On June 28 and July 3 a total of 57 cases (342 gallons) of bottled water was delivered to those affected homes exceeding NYSDOH limits for drinking water.

E. Three additional residences were provided with K-Copper service lines. This brings the total number of homes with service lines to 19 as of July 3, 1985.

3. FINANCIAL SITUATION:

A. Total Funds (Extramural)	\$ 387,587
Authorized For Mitigation	
Contracts as per C. Daggett's	
authorization of May 14, 1985	

B. Expenditures for Mitigation  
Contracts

1.a. Amount obligated to OH	
Materials #6893-02-022	5,000

1.b. Estimated expenditures for	
#6893-02-022 through 7/08/85	918

1.c. Balance remaining for #6893-	
02-022	4,082

2.a. Amount obligated to Suffolk	
County Water Authority	189,000

2.b. Estimated expenditures for	
#68-62-0016 through 7/08/85	-0-

2.c. Balance remaining for	
#68-62-0016	189,000

3.a. Amount obligated to Town of	
Southampton	87,000

3.b. Estimated expenditures for	
#68-62-0015 through 7/08/85	26,604

3.c. Balance remaining for #68-62-0015	60,396
C. Unobligated balance remaining (Item A minus total obligations made)	106,587
D. Estimate of total expenditures for all mitigation contracts through 7/08/85	\$ 27,522
E. Other Extramural Costs	
1. TAT, (salary/travel) through 7/05/85	23,647
2. Total, other extramural costs through 7/05/85	23,647
F. Intramural Removal Costs (salary/travel through 7/05/85)	8,750
G. Total Expenditures and Percentage of \$1,000,000	\$ 59,919 (6.0%)

4. FUTURE PLANS AND RECOMMENDATIONS:

A. Same as in previous POLREP.

B. Expected date for startup on water main extension is July  
11, 1985.

CASE CLOSED \_\_\_\_\_ CASE PENDING X  
(TAT)

SUBMITTED BY W. Gad Tawadros  
W. Gad Tawadros, OSC  
Response and Prevention  
Branch

DATE RELEASED: 7/9/85

8505-17  
3370

U.S. ENVIRONMENTAL PROTECTION AGENCY

POLLUTION REPORT

DATE: July 19, 1985

Region II  
Response and Prevention Branch  
Edison, New Jersey 08837

(201) 321-6670 - Commercial  
(201) 548-8730 - 24 Hr. Emergency  
340-6670 - FTS

TO: C. Daggett, EPA  
W. Librizzi, EPA  
F. Rubel, EPA  
W. Mugdan, EPA  
J. Marshall, EPA  
USCG 3rd District, (mer)  
USCG COTPNY  
ERD, EPA Washington, D.C.  
(E-Mail)  
N. Nosenchuck, NYSDEC  
NRC  
A. Candela, NYSDEC  
A. Andreoli, SCDHS  
D. Axelrod, NYSDOH  
R. Ogg, EPA  
W. Andrews, EPA

POLREP NO.: Nine (9)  
INCIDENT NAME: Jagger Lane Site  
SITE/SPILL NO.: G-8  
POLLUTANT: Volatile Organics  
CLASSIFICATION: Major  
SOURCE: Unknown  
LOCATION: Southampton, New York  
AMOUNT: Unknown  
WATER BODY: Groundwater

1. SITUATION:

A. Same as stated in previous POLREP.

2. ACTION TAKEN:

A. During the period of July 10 through July 16, 1985 seven additional residences were provided with K-copper service lines. This brings the total number of homes with service line to 26 as of July 16, 1985.

B. In preparation for the water main installation, pavement breaking along Montauk Highway, Windwoot Court and Jagger Lane was completed as of July 16, 1985.

C. The water main extension was initiated on Thursday, July 11, 1985 by tapping into the existing main on Montauk Highway. Through Tuesday, July 16, 1985 a total of 1264 linear feet of 12 inch D.I.P., 2031 linear feet of 6 inch D.I.P., four-12 inch gate valves and boxes, and two-6 inch gate valves and boxes have been installed.

D. On Friday, July 12 a total of 24 cases (144 gallons) of bottled water was delivered to those affected homes exceeding NYSDOH limits for drinking water.

E. Laboratory results from samples collected by the U.S. EPA and the Technical Assistance Team (TAT) on June 12 and 13, 1985 were received by TAT. The results were verbally received and as reported they do not allow for identification of the source of groundwater contamination.

### 3. FINANCIAL SITUATION:

A.	Total Funds (Extramural)	\$ 387,587
	Authorized For Mitigation	
	Contracts as per C. Daggett's	
	authorization of May 14, 1985	
B.	Expenditures for Mitigation	
	Contracts	
1.a.	Amount obligated to OH	
	Materials #6893-02-022	5,000
1.b.	Estimated expenditures for	
	#6893-02-022 through 7/16/85	1,099
1.c.	Balance remaining for #6893-	
	02-022	3,901
2.a.	Amount obligated to Suffolk	
	County Water Authority	189,000
2.b.	Estimated expenditures for	
	#68-62-0016 through 7/16/85	61,551
2.c.	Balance remaining for	
	#68-62-0016	127,449
3.a.	Amount obligated to Town of	
	Southampton	87,000
3.b.	Estimated expenditures for	
	#68-62-0015 through 7/16/85	39,523
3.c.	Balance remaining for	
	#68-62-0015	47,477
C.	Unobligated balance remaining (Item	
	A minus total obligations made)	106,587



D.	Estimate of total expenditures for all mitigation contracts through 7/16/85	\$ 102,173
E.	Other Extramural Costs	
1.	TAT, (salary/travel) through 7/12/85	23,647
2.	Total, other extramural costs through 7/12/85	23,647
F.	Intramural Removal Costs (salary/travel through 7/12/85)	9,950
G.	Total Expenditures and Percentage of \$1,000,000	\$ 135,770 (13.5%)

4. FUTURE PLANS AND RECOMMENDATIONS:

- A. Complete chlorination of water main.
- B. Complete installation of K-copper service lines to the affected home basements or crawl spaces from the property lines.
- C. Finalize project by tapping completed K-copper service lines into the water main and installing water meters. Complete plumbing hookups inside homes to K-copper service lines and disconnect and cap the well.
- D. Bottled water will continue to be provided by the U.S. EPA to those affected home having well water contaminated in excess of NYSDOH limits until the water main installation is completed.

CASE CLOSED \_\_\_\_\_ CASE PENDING X SUBMITTED BY W. S. Tawadros  
 (TAT) W. S. Tawadros, OSC  
 Response and Prevention  
 Branch

DATE RELEASED: 7/19/85

1575-17  
3370

U.S. ENVIRONMENTAL PROTECTION AGENCY

POLLUTION REPORT

DATE: August 21, 1985

Region II  
Response and Prevention Branch  
Edison, New Jersey 08837

(201) 321-6670 - Commercial  
(201) 548-8730 - 24 Hr. Emergency  
340-6670 - FTS

TO: C. Daggett, EPA  
W. Librizzi, EPA  
F. Rubel, EPA  
W. Mugdan, EPA  
J. Marshall, EPA  
USCG 3rd District, (mer)  
USCG COTPNY  
ERD, EPA Washington, D.C.  
(E-Mail)  
N. Nosenchuck, NYSDEC  
NRC  
A. Candela, NYSDEC  
A. Andreoli, SCDHS  
D. Axelrod, NYSDOH  
R. Ogg, EPA  
W. Andrews, EPA

POLREP NO.: Ten (10)  
INCIDENT NAME: Jagger Lane Site  
SITE/SPILL NO.: G-8  
POLLUTANT: Volatile Organics  
CLASSIFICATION: Major  
SOURCE: Unknown  
LOCATION: Southampton, New York  
AMOUNT: Unknown  
WATER BODY: Groundwater

1. SITUATION:

A. Same as stated in previous POLREP.

2. ACTION TAKEN:

A. During the week of July 17 to July 23, 1985, the water main extension was completed from Montauk Highway to Jagger Lane and Windwood Court. The total lengths of pipe installed were 3,700 feet of 12 inch D.I.P. and approximately 2,000 feet of 6 inch D.I.P. along Montauk Highway - Jagger Lane and Windwood Court respectively.

B. Four homes were provided with lateral service lines from their property lines to just inside their basement. Due to the great lengths involved (plus 700 feet), these four represent the initial use of 1-1/2 inch plastic tubing with K-Copper tubing coupled at each end. This brings the total number of homes with service lines to 30 as of July 23, 1985.

C. Ten cases (60 gallons) of bottled water were delivered to two affected homes with contaminated well water exceeding the NYSDOH guidelines for drinking water. The remaining four homes had sufficient bottled water from prior deliveries.

D. After completion of the water main extension, disinfection with chlorine was initiated and finalized on July 23, 1985.

3. FINANCIAL SITUATION:

A. Total Funds (Extramural)	\$ 387,587
Authorized For Mitigation	
Contracts as per C. Daggett's	
authorization of May 14, 1985	
B. Expenditures for Mitigation	
Contracts	
1.a. Amount obligated to OH	
Materials #6893-02-022	5,000
1.b. Estimated expenditures for	
#6893-02-022 through 7/19/85	1,159
1.c. Balance remaining for #6893-	
02-022	3,841
2.a. Amount obligated to Suffolk	
County Water Authority	189,000
2.b. Estimated expenditures for	
#68-62-0016 through 7/19/85	120,693.40
2.c. Balance remaining for	
#68-62-0016	68,306.60
3.a. Amount obligated to Town of	
Southampton	87,000
3.b. Estimated expenditures for	
#68-62-0015 through 7/23/85	48,883.05
3.c. Balance remaining for	
#68-62-0015	38,116.95
C. Unobligated balance remaining (Item	
A minus total obligations made)	106,587

D. Estimate of total expenditures  
for all mitigation contracts  
through 7/23/85 \$ 170,735.45

E. Other Extramural Costs

1. TAT, (salary/travel) through  
7/19/85 26,647

2. Total, other extramural costs  
through 7/19/85 26,647

F. Intramural Removal Costs  
(salary/travel through 7/19/85) 11,350

G. Total Expenditures and Percentage  
of \$1,000,000 \$ 208,732.45  
(20.9%)

4. FUTURE PLANS AND RECOMMENDATIONS:

A. Complete installation of K-copper service lines to the  
affected home basements or crawl spaces from the property lines.

B. Finalize project by tapping completed K-copper service  
lines into the water main and installing water meters. Complete  
plumbing hookups inside homes to K-copper service lines and  
disconnect and cap the well.

C. Bottled water will continue to be provided by the U.S. EPA  
to those affected home having well water contaminated in excess  
of NYSDOH limits until the water main installation is completed.

CASE CLOSED \_\_\_\_\_  
(TAT)

CASE PENDING X

SUBMITTED BY W. Gad Tawadros  
W. Gad Tawadros, OSC  
Response and Prevention  
Branch

DATE RELEASED: 8/21/85

8505-17

3370

U.S. ENVIRONMENTAL PROTECTION AGENCY

POLLUTION REPORT

DATE: August 27, 1985

Region II  
Response and Prevention Branch.  
Edison, New Jersey 08837

(201) 321-6670 - Commercial  
(201) 548-8730 - 24 Hr. Emergency  
340-6670 - FTS

TO: C. Daggett, EPA  
W. Librizzi, EPA  
F. Rubel, EPA  
G. Zachos, EPA  
W. Mugdan, EPA  
J. Marshall, EPA  
USCG 3rd District, (mer)  
USCG COTPNY  
ERD, EPA Washington, D.C.  
(E-Mail)  
N. Nosenchuck, NYSDEC  
NRC  
A. Candela, NYSDEC  
A. Andreoli, SCDHS  
D. Axelrod, NYSDOH  
R. Ogg, EPA  
W. Andrews, EPA

POLREP NO.: Eleven (11)  
INCIDENT NAME: Jagger Lane Site  
SITE/SPILL NO.: G-8  
POLLUTANT: Volatile Organics  
CLASSIFICATION: Major  
SOURCE: Unknown  
LOCATION: Southampton, New York  
AMOUNT: Unknown  
WATER BODY: Groundwater

1. SITUATION:

A. Same as stated in previous POLREP.

2. ACTION TAKEN:

A. As of August 6, 1985, SCWA completed chlorination of the main extension. In addition, the ends of the water main were capped.

B. Nine additional homes were provided with lateral service lines from their property lines to just inside their basement. This brings the total number of service lines to 39 as of August 6, 1985.

C. Thirty (30) cases (180 gallons) of bottled water were delivered to affected homes with contaminated well water exceeding the NYSDOH guidelines for drinking water. All homes with bottled water delivery have a well stocked supply. Further deliveries have been temporarily postponed.

3. FINANCIAL SITUATION:

A. Total Funds (Extramural)	\$ 491,374
Authorized For Mitigation	
Contracts as per C. Daggett's	
authorization of 8/19/85	
B. Expenditures for Mitigation	
Contracts	
1.a. Amount obligated to OH	
Materials #6893-02-022	5,000
1.b. Estimated expenditures for	
#6893-02-022 through 8/6/85	1,339
1.c. Balance remaining for #6893-	
02-022	3,661
2.a. Amount obligated to Suffolk	
County Water Authority	233,000
2.b. Estimated expenditures for	
#68-62-0016 through 8/6/85	122,360.58
2.c. Balance remaining for	
#68-62-0016	110,639.42
3.a. Amount obligated to Town of	
Southampton	200,000
3.b. Estimated expenditures for	
#68-62-0015 through 8/6/85	72,005.01
3.c. Balance remaining for	
#68-62-0015	127,994.99
C. Unobligated balance remaining (Item	
A minus total obligations made)	53,374
D. Estimate of total expenditures	
for all mitigation contracts	
through 8/6/85	\$ 195,704.59

E. Other Extramural Costs

1. TAT, (salary/travel) through 8/6/85 37,058

2. Total, other extramural costs through 8/6/85 37,058

F. Intramural Removal Costs (salary/travel through 8/6/85) 14,350

G. Total Expenditures and Percentage of \$1,000,000 \$ 247,112.59 (24.7%)

4. FUTURE PLANS AND RECOMMENDATIONS:

A. As previously stated.

CASE CLOSED \_\_\_\_\_  
(TAT)

CASE PENDS

X

SUBMITTED BY

W. Gad Tawadros, OSC  
Response and Prevention  
Branch

DATE RELEASED:

8/28/85

8565-17  
3370

U.S. ENVIRONMENTAL PROTECTION AGENCY

POLLUTION REPORT

DATE: August 28, 1985

Region II  
Response and Prevention Branch  
Edison, New Jersey 08837

TO: C. Daggett, EPA  
W. Librizzi, EPA  
F. Rubel, EPA  
G. Zachos, EPA  
W. Mugdan, EPA  
J. Marshall, EPA  
USCG 3rd District, (mer)  
USCG COTPNY  
ERD, EPA Washington, D.C.  
(E-Mail)  
N. Nosenchuck, NYSDEC  
NRC  
A. Candela, NYSDEC  
A. Andreoli, SCDHS  
D. Axelrod, NYSDOH  
R. Ogg, EPA  
W. Andrews, EPA

(201) 321-6670 - Commercial  
(201) 548-8730 - 24 Hr. Emergency  
340-6670 - FTS

POLREP NO.: Twelve (12)  
INCIDENT NAME: Jagger Lane Site  
SITE/SPILL NO.: G-8  
POLLUTANT: Volatile Organics  
CLASSIFICATION: Major  
SOURCE: Unknown  
LOCATION: Southampton, New York  
AMOUNT: Unknown  
WATER BODY: Groundwater

1. SITUATION:

A. Same as stated in previous POLREP.

2. ACTION TAKEN:

A. Fifteen additional homes were provided with lateral service lines from their property lines to just inside their basement and/or within reasonable distance of their basements (average length 180 linear feet). This brings the total number of service lines to 54 as of August 27, 1985.



B. Thirty-nine (39) cases (234 gallons) of bottled water were delivered to affected homes with contaminated well water exceeding the NYSDOH guidelines for drinking water. All homes with bottled water delivery have a well stocked supply.

3. FINANCIAL SITUATION:

A.	Total Funds (Extramural) Authorized For Mitigation Contracts as per C. Daggett's authorization of 8/19/85	\$ 491,374
B.	Expenditures for Mitigation Contracts	
1.a.	Amount obligated to OH Materials #6893-02-022	5,000
1.b.	Estimated expenditures for #6893-02-022 through 8/27/85	1,573
1.c.	Balance remaining for #6893- 02-022	3,427
2.a.	Amount obligated to Suffolk County Water Authority	233,000
2.b.	Estimated expenditures for #68-62-0016 through 8/6/85	122,360.58
2.c.	Balance remaining for #68-62-0016	110,639.42
3.a.	Amount obligated to Town of Southampton	200,000
3.b.	Estimated expenditures for #68-62-0015 through 8/19/85	90,908.11
3.c.	Balance remaining for #68-62-0015	109,091.89
C.	Unobligated balance remaining (Item A minus total obligations made)	53,374
D.	Estimate of total expenditures for all mitigation contracts through 8/27/85	\$ 214,841.69

8505-17  
3370

U.S. ENVIRONMENTAL PROTECTION AGENCY

POLLUTION REPORT

DATE: September 11, 1985

Region 11  
Response and Prevention Branch  
Edison, New Jersey 08837

TO: C. Daggett, EPA  
W. Librizzi, EPA  
F. Rubel, EPA  
G. Zachos, EPA  
W. Mugdan, EPA  
J. Marshall, EPA  
USCG 3rd District, (mer)  
USCG COTPNY  
ERD, EPA Washington, D.C.  
(E-Mail)  
N. Nosenchuck, NYSDEC  
NRC  
A. Candela, NYSDEC  
A. Andreoli, SCDHS  
D. Axelrod, NYSDOH  
R. Ogg, EPA  
W. Andrews, EPA

(201) 321-6670 - Commercial  
(201) 548-8730 - 24 Hr. Emergency  
340-6670 - FTS

POLREP NO.: Thirteen (13)  
INCIDENT NAME: Jagger Lane Site  
SITE/SPILL NO.: G-8  
POLLUTANT: Volatile Organics  
CLASSIFICATION: Major  
SOURCE: Unknown  
LOCATION: Southampton, New York  
AMOUNT: Unknown  
WATER BODY: Groundwater

1. SITUATION:

A. Same as stated in previous POLREP.

2. ACTION TAKEN:

A. Four additional homes were provided with lateral service lines from their property lines to just inside their basement and/or within reasonable distance of their basements (average length 185 linear feet). This brings the total number of service lines to 58 as of September 10, 1985.

B. Suffolk County Water Authority (SCWA) arrived on site September 5, 1985, to install taps into the water main, to make connections from the water main to the lateral service lines and to install water meters in vaults located at the curb. As of September 10, 1985, a total of 44 taps, connections and meters installations were completed.

3. FINANCIAL SITUATION:

A.	Total Funds (Extramural) Authorized For Mitigation Contracts as per C. Daggett's authorization of 8/19/85	\$ 491,374
B.	Expenditures for Mitigation Contracts	
1.a.	Amount obligated to OH Materials #6893-02-022	5,000
1.b.	Estimated expenditures for #6893-02-022 through 9/10/85	1,573
1.c.	Balance remaining for #6893- 02-022	3,427
2.a.	Amount obligated to Suffolk County Water Authority	233,000
2.b.	Estimated expenditures for #68-62-0016 through 8/27/85	122,360
2.c.	Balance remaining for #68-62-0016	110,639
3.a.	Amount obligated to Town of Southampton	170,000
3.b.	Estimated expenditures for #68-62-0015 through 8/31/85	99,417
3.c.	Balance remaining for #68-62-0015	70,582
C.	Unobligated balance remaining (Item A minus total obligations made)	83,374
D.	Estimate of total expenditures for all mitigation contracts through 8/31/85	\$ 223,351
E.	Other Extramural Costs	
1.	TAT, (salary/travel) through 9/10/85	52,813
2.	Total, other extramural costs through 9/10/85	52,813

F. Intramural Removal Costs

(salary/travel through 9/10/85) 23,310

G. Total Expenditures and Percentage of \$1,000,000 \$ 299,474.47 (30.0%)

4. FUTURE PLANS AND RECOMMENDATIONS:

A. Complete installation of K-copper service lines to the affected home basements or crawl spaces from the property lines.

B. Finalize project by tapping completed K-copper service lines into the water main and installing water meters. Complete plumbing lookups inside homes to K-copper service lines and disconnect and cap the well.

C. Bottled water will continue to be provided by the U.S. EPA to those affected home having well water contaminated in excess of NYSDOH limits until the water main installation is completed.

D. Initiate water main extension as per U.S. EPA Regional Administrator's Authorization of August 19, 1985.

CASE CLOSED \_\_\_\_\_ CASE PENDING X SUBMITTED BY

(TAT)

W. S. Tawadros  
W. Gad Tawadros, OSC  
Response and Prevention  
Branch

DATE RELEASED: 9/10/85

8505-17

3370

U.S. ENVIRONMENTAL PROTECTION AGENCY

POLLUTION REPORT

DATE: September 27, 1985

Region II  
Response and Prevention Branch  
Edison, New Jersey 08837

(201) 321-6670 - Commercial  
(201) 548-8730 - 24 Hr. Emergency  
340-6670 - FTS

TO: C. Daggett, EPA  
W. Librizzi, EPA  
F. Rubel, EPA  
W. Mugdan, EPA  
J. Marshall, EPA  
USCG 3rd District, (mer)  
USCG COTPNY  
ERD, EPA Washington, D.C.  
(E-Mail)  
N. Nosenchuck, NYSDEC  
NRC  
A. Candela, NYSDEC  
A. Andreoli, SCDHS  
D. Axelrod, NYSDOH  
R. Ogg, EPA  
W. Andrews, EPA

POLREP NO.: Fourteen (14)  
INCIDENT NAME: Jagger Lane Site  
SITE/SPILL NO.: G-8  
POLLUTANT: Volatile Organics  
CLASSIFICATION: Major  
SOURCE: Unknown  
LOCATION: Southampton, New York  
AMOUNT: Unknown  
WATER BODY: Groundwater

1. SITUATION:

A. Same as stated in previous POLREP.

2. ACTION TAKEN: from September 11 thru September 26, 1985:

A. Two additional homes were provided with lateral service lines from their property lines to inside their basements or crawl spaces. These additional two brings the total to sixty.

B. On September 13, 1985 Suffolk County Water Authority (SCWA) completed that phase of the project dealing with the installation of 65 taps in meter pits with curb stops.

C. Suffolk County Water Authority (SCWA) completed installing all 5/8" inch water meters on Jagger Lane and Windwood Court (24) on September 18, 1985. The remaining 5/8" meters on Montauk Highway will be installed as requested. The installation of 1" water meters was also initiated by SCWA as per EPA request and thru September 26 a total of ten have been installed.

D. RCR Contracting, Inc. arrived on-site September 19 to complete the connections from the lateral lines to the cold water feed line inside the homes. Through September 26, a total of 37 homes have been completed. Ten homes being 1" lines accompanied by a reduced pressure zone device (RPZD).

### 3. FINANCIAL SITUATION:

A. Total Funds (Extramural)	\$ 491,374
Authorized For Mitigation	
Contracts as per C. Daggett's	
authorization of 8/19/85	
B. Expenditures for Mitigation	
Contracts	
1.a. Amount obligated to OH	
Materials for bottled water	
#6893-02-022	5,000
1.b. Estimated expenditures for	
#6893-02-022 through 9/26/85	1,573
1.c. Balance remaining for #6893-	
02-022	3,427
2.a. Amount obligated to Suffolk	
County Water Authority	244,045
2.b. Estimated expenditures for	
#68-62-0016 through 9/13/85	
DCN #KCS 514	147,680
2.c. Balance remaining for	
#68-62-0016	-0-
3.a. Amount obligated to Town of	
Southampton	170,000
3.b. Estimated expenditures for	
#68-62-0015 through 8/31/85	
DCN #KCS 505	99,417

3.c. Balance remaining for #68-62-0015	70,582
C. Unobligated balance remaining (Item A minus total obligations made)	83,374
D. Estimate of total expenditures for all mitigation contracts through 8/31/85	248,670
E. Other Extramural Costs	
1. TAT, (salary/travel) through 9/27/85	62,563
2. Total, other extramural costs through 9/10/85	62,563
F. Intramural Removal Costs (salary/travel through 9/10/85)	23,310
G. Total Expenditures and Percentage of \$1,000,000	\$ 334,543 (33.4%)

4. FUTURE PLANS AND RECOMMENDATIONS:

A. Same as stated in previous Polrep.

CASE CLOSED \_\_\_\_\_ CASE PENDING X SUBMITTED BY W. Gad Tawadros  
 (TAT) W. Gad Tawadros, OSC  
 Response and Prevention  
 Branch

DATE RELEASED: 10-8-84

3510-49  
5054

U.S. ENVIRONMENTAL PROTECTION AGENCY

POLLUTION REPORT

DATE: October 14, 1985

Region II  
Response and Prevention Branch  
Edison, New Jersey 08837

TO: C. Daggett, EPA  
W. Librizzi, EPA  
F. Rubel, EPA  
G. Zachos, EPA  
W. Mugdan, EPA  
J. Marshall, EPA  
USCG 3rd District, (mer)  
USCG COTPNY  
ERD, EPA Washington, D.C.  
(E-Mail)  
N. Nosenchuck, NYSDEC  
NRC  
A. Candela, NYSDEC  
A. Andreoli, SCDHS  
D. Axelrod, NYSDOH  
R. Ogg, EPA  
W. Andrews, EPA

(201) 321-6670 - Commercial  
(201) 548-8730 - 24 Hr. Emergency  
340-6670 - FTS

POLREP NO.: Fifteen (15)  
INCIDENT NAME: Jagger Lane Site  
SITE/SPILL NO.: G-8  
POLLUTANT: Volatile Organics  
CLASSIFICATION: Major  
SOURCE: Unknown  
LOCATION: Southampton, New York  
AMOUNT: Unknown  
WATER BODY: Groundwater

1. SITUATION:

A. Same as stated in previous POLREP.

2. ACTION TAKEN:

A. From October 7 thru October 11, 1985, six additional homes were provided with lateral service lines from their property lines to inside their basements or crawl spaces. These additional six brings the total to sixty-six.

B. RCR Contracting, Inc. completed the connections from the lateral lines to the cold water feed line inside the homes. Through October 11 a total of 47 homes have been completed. Fifteen homes being 1" lines accompanied by a reduced pressure zones device (RPZD).



3. FINANCIAL SITUATION: -

A.	Total Funds (Extramural) Authorized For Mitigation Contracts as Per C. Daggett's authorization of 8/19/85	\$ 491,374
B.	Expenditures for Mitigation Contracts	
1.a.	Amount obligated to OH Materials for bottled water #6893-02-022	5,000
1.b.	Estimated expenditures for #6893-02-022 through 9/26/85	1,573
1.c.	Balance remaining for #6893- 02-022	3,427
2.a.	Amount obligated to Suffolk County Water Authority	244,045
2.b.	Estimated expenditures for #68-62-0016 through 9/13/85 DCN #KCS 514	142,000
2.c.	Balance remaining for #68-62-0016	102,045
3.a.	Amount obligated to Town of Southampton	170,000
3.b.	Estimated expenditures for #68-62-0015 through 10/04/85 DCN #KCS 505	147,252.50
3.c.	Balance remaining for #68-62-0015	26,747.50
C.	Unobligated balance remaining (Item A minus total obligations made)	83,374
D.	Estimate of total expenditures for all mitigation contracts through 9/13/85	290,826
E.	Other Extramural Costs	
1.	TAT, (salary/travel) through 9/27/85 (actual costs, previously estimated)	43,644

2. Total, other extramural costs  
through 9/10/85 43,644

F. Intramural Removal Costs  
(salary/travel through 9/10/85) 23,310

G. Total Expenditures and Percentage  
of \$1,000,000 \$ 357,780  
(35.8%)

4. FUTURE PLANS AND RECOMMENDATIONS:

A. Same as stated in previous POLREP.

CASE CLOSED \_\_\_\_\_  
(TAT)

CASE PENDING X

SUBMITTED BY

W. Gad Tawadros, OSC  
Response and Prevention  
Branch

DATE RELEASED: \_\_\_\_\_

10/17/85

8510-49  
5054

U.S. ENVIRONMENTAL PROTECTION AGENCY

POLLUTION REPORT

DATE: October 18, 1985

Region II  
Response and Prevention Branch  
Edison, New Jersey 08837

(201) 321-6670 - Commercial  
(201) 548-8730 - 24 Hr. Emergency  
340-6670 - FTS

TO; Data Base Manager  
C. Daggett, EPA  
W. Librizzi, EPA  
F. Rubel, EPA  
G. Zachos, EPA  
W. Mugdan, EPA  
J. Marshall, EPA  
USCG 3rd District, (mer)  
USCG COTPNY  
ERD, EPA Washington, D.C.  
(E-Mail)  
N. Nosenchuck, NYSDEC  
NRC  
A. Candela, NYSDEC  
A. Andreoli, SCDHS  
D. Axelrod, NYSDOH  
R. Ogg, EPA  
W. Andrews, EPA

POLREP NO.: Sixteen (16)  
INCIDENT NAME: Jagger Lane Site  
SITE/SPILL NO.: G-8  
POLLUTANT: Volatile Organics  
CLASSIFICATION: Major  
SOURCE: Unknown  
LOCATION: Southampton, New York  
AMOUNT: Unknown  
WATER BODY: Groundwater

1. SITUATION:

A. Same as stated in previous POLREP.

2. ACTION TAKEN:

A. From October 11 thru October 17, 1985, three additional homes were provided with lateral service lines from their property lines to inside their basements or crawl spaces. These additional three brings the total to sixty-nine.

B. RCR Contracting, Inc. did not make any connections from the lateral lines to the cold water feed line inside the homes. Through October 17 a total of 47 homes have been completed. Fifteen homes being 1" lines accompanied by a reduced pressure zones device (RPZD).

3. FINANCIAL SITUATION:

A.	Total Funds (Extramural) Authorized For Mitigation Contracts as Per C. Daggett's authorization of 8/19/85	\$ 491,374
B.	Expenditures for Mitigation Contracts	
1.a.	Amount obligated to OH Materials for bottled water #6893-02-022	5,000
1.b.	Estimated expenditures for #6893-02-022 through 9/26/85	1,573
1.c.	Balance remaining for #6893- 02-022	3,427
2.a.	Amount obligated to Suffolk County Water Authority	244,045
2.b.	Estimated expenditures for #68-62-0016 through 9/13/85 DCN #KCS 514	142,000
2.c.	Balance remaining for #68-62-0016	102,045
3.a.	Amount obligated to Town of Southampton	170,000
3.b.	Estimated expenditures for #68-62-0015 through 10/04/85 DCN #KCS 505	147,252.50
3.c.	Balance remaining for #68-62-0015	26,747.50
C.	Unobligated balance remaining (Item A minus total obligations made)	83,374
D.	Estimate of total expenditures for all mitigation contracts through 9/13/85	290,826
E.	Other Extramural Costs	
1.	TAT, (salary/travel) through 10/15/85 (actual costs, previously estimated)	46,949

2. Total, other extramural costs  
through 9/10/85

46,949

F. Intramural Removal Costs  
(salary/travel through 9/10/85)

24,110

G. Total Expenditures and Percentage  
of \$1,000,000

\$ 361,885  
(36.2%)

4. FUTURE PLANS AND RECOMMENDATIONS:

A. Same as stated in previous POLREP.

CASE CLOSED \_\_\_\_\_

CASE PENDING X

SUBMITTED BY

W. J. J. C.  
W. Gad Tawadros, OSC  
Response and Prevention  
Branch

(TAT)

DATE RELEASED: 10-28-85

5654

U.S. ENVIRONMENTAL PROTECTION AGENCY

POLLUTION REPORT

DATE: October 25, 1985

Region II  
Response and Prevention Branch  
Edison, New Jersey 08837

(201) 321-6670 - Commercial  
(201) 548-8730 - 24 Hr. Emergency  
340-6670 - FTS

TO; Data Base Manager  
C. Daggett, EPA  
W. Librizzi, EPA  
F. Rubel, EPA  
G. Zachos, EPA  
W. Mugdan, EPA  
J. Marshall, EPA  
USCG 3rd District, (mer)  
USCG COTPNY  
ERD, EPA Washington, D.C.  
(E-Mail)  
N. Nosenchuck, NYSDEC  
NRC  
A. Candela, NYSDEC  
A. Andreoli, SCDHS  
D. Axelrod, NYSDOH  
R. Ogg, EPA  
W. Andrews, EPA

POLREP NO.: Seventeen (17)  
INCIDENT NAME: Jagger Lane Site  
SITE/SPILL NO.: G-8  
POLLUTANT: Volatile Organics  
CLASSIFICATION: Major  
SOURCE: Unknown  
LOCATION: Southampton, New York  
AMOUNT: Unknown  
WATER BODY: Groundwater

1. SITUATION:

A. Same as stated in previous POLREP.

2. ACTION TAKEN:

A. From October 18 thru October 24, 1985, three additional homes were provided with lateral service lines from their property lines to inside their basements or crawl spaces, and an additional home was started. These additional three brings the total to seventy-two.

B. RCR Contracting, Inc. completed twelve connections from the lateral lines to the cold water feed line inside the homes. Through October 24 a total of 59 homes have been completed. Eighteen homes being 1" lines accompanied by a reduced pressure zones device (RPZD).

C. On Thursday, October 24, this immediate removal activity was stopped at 12 noon due to lack of funds. This action was taken after a review of pending invoices, additional funds are being requested.

3. FINANCIAL SITUATION:

A. Total Funds (Extramural)  
Authorized For Mitigation  
Contracts as Per C. Daggett's  
authorization of 8/19/85 \$ 491,374

B. Expenditures for Mitigation  
Contracts

1.a. Amount obligated to OH  
Materials for bottled  
water #6893-02-022 5,000

1.b. Estimated expenditures for  
#6893-02-022 through 9/26/85 1,573

1.c. Balance remaining for #6893-  
02-022 3,427

2.a. Amount obligated to Suffolk  
County Water Authority 244,045

2.b. Estimated expenditures for  
#68-62-0016 through 9/13/85  
DCN #KCS 514 142,000

2.c. Balance remaining for  
#68-62-0016 102,045

3.a. Amount obligated to Town of  
Southampton 170,000

3.b. Estimated expenditures for  
#68-62-0015 through 10/04/85  
DCN #KCS 505 147,252.50

3.c. Balance remaining for  
#68-62-0015 26,747.50

C. Unobligated balance remaining (Item  
A minus total obligations made) 83,374

D. Estimate of total expenditures  
for all mitigation contracts  
through 9/13/85 290,826

E. Other Extramural Costs

1. TAT, (salary/travel) through  
10/22/85 (actual costs,  
previously estimated) 49,281
2. Total, other extramural costs  
through 9/10/85 49,281

F. Intramural Removal Costs  
(salary/travel through 9/10/85) 24,710

G. Total Expenditures and Percentage \$ 364,817  
of \$1,000,000 (36.5%)

4. FUTURE PLANS AND RECOMMENDATIONS:

- A. Continue the approved action as soon as possible,  
pending funding increase authorization.

CASE CLOSED \_\_\_\_\_

CASE PENDING X

SUBMITTED BY W. J. J. C.

(TAT)

W. Gad Tawadros, OSC  
Response and Prevention  
Branch

DATE RELEASED: 10/28/85



U.S. ENVIRONMENTAL PROTECTION AGENCY

POLLUTION REPORT

DATE: November 15, 1985

Region II  
Response and Prevention Branch  
Edison, New Jersey 08837

(201) 321-6670 - Commercial  
(201) 548-8730 - 24 Hr. Emergency  
340-6670 - FTS

TO: Data Base Manager  
C. Daggett, EPA  
W. Librizzi, EPA  
F. Rubel, EPA  
G. Zachos, EPA  
W. Mugdan, EPA  
J. Marshall, EPA  
USCG 3rd District, (mer)  
USCG COTPNY  
ERD, EPA Washington, D.C.  
(E-Mail)  
N. Nosenchuck, NYSDEC  
NRC  
A. Candela, NYSDEC  
A. Andreoli, SCDHS  
D. Axelrod, NYSDOH  
R. Ogg, EPA  
W. Andrews, EPA

POLREP NO.: Eighteen (18)  
INCIDENT NAME: Jagger Lane Site  
SITE/SPILL NO.: G-8  
POLLUTANT: Volatile Organics  
CLASSIFICATION: Major  
SOURCE: Unknown  
LOCATION: Southampton, New York  
AMOUNT: Unknown  
WATER BODY: Groundwater

1. SITUATION:

A. Same as before.

2. ACTION TAKEN:

A. A total of eight-one (81) homes have had hook-up service completed from the property line to the inside of the basement with the exception of one. At this home, the hook-up service has been completed from property line to the foundation, as EPA has been unable to reach the property homeowner, and the house is vacant. One additional homeowner located on Montauk Highway will not be back before December 1, 1985. Therefore, no hook-up service has been provided as of yet.

B. Out of a total of eighty (80) homes, sixty (60) homes have been connected to public water supply, and seventeen (17) are scheduled to be connected.

C. On November 7, 1985, SCWA subcontractor, Elmor Associates, completed installation of 1,453 feet of 12" diameter water main for the Jagger Lane extension.

D. On October 30, 1985, SCWA subcontractor, Southfork Asphalt Company, continued restoration and retailing.

E. Restoration work on the Southhampton contract has been initiated this week.

3. FINANCIAL SITUATION:

A.	Total Funds (Extramural) Authorized For Mitigation Contracts as Per C. Daggett's authorization of 8/19/85	\$ 491,374
B.	Expenditures for Mitigation Contracts	
1.a.	Amount obligated to OH Materials for bottled water #6893-02-022	5,000
1.b.	Estimated expenditures for #6893-02-022 through 9/26/85	1,573
1.c.	Balance remaining for #6893- 02-022	3,427
2.a.	Amount obligated to Suffolk County Water Authority	244,045
2.b.	Estimated expenditures for #68-62-0016 through 9/13/85 DCN #KCS 514	142,000
2.c.	Balance remaining for #68-62-0016	102,045
3.a.	Amount obligated to Town of Southampton	200,000
3.b.	Estimated expenditures for #68-62-0015 through 10/30/85 DCN #KCS 505	176,000
3.c.	Balance remaining for #68-62-0015	24,000

C.	Unobligated balance remaining	42,329
D.	Estimate of total expenditures for all mitigation contracts through 10/30/85	319,573
E.	Other Extramural Costs	
1.	TAT, (salary/travel) through 11/15/85	58,246
2.	Total, other extramural costs through 11/15/85	58,246
F.	Intramural Removal Costs (salary/travel through 11/15/85)	29,510
G.	Total Expenditures and Percentage of \$1,000,000	\$ 407,329 (40.7%IM)

4. FUTURE PLANS AND RECOMMENDATIONS:

A. Service line hookups and disconnection of the water well piping and capping it for the remaining homes from the original Jagger Lane Project is scheduled for the following week.

B. Disinfection, flushing of Jagger Lane and South Road extension is scheduled for next week, and will be followed by tapping and installation of water meter vault.

CASE CLOSED \_\_\_\_\_

CASE PENDING X

SUBMITTED BY

*W. Gad Tawadros for*  
W. Gad Tawadros, OSC  
Response and Prevention  
Branch

(TAT)

DATE RELEASED: 12/4/85

U.S. ENVIRONMENTAL PROTECTION AGENCY

POLLUTION REPORT

DATE: December 13, 1985

Region II  
Response and Prevention Branch  
Edison, New Jersey 08837

(201) 548-8730 - Commercial & FTS  
24 Hour Emergency

TO: Data Base Manager  
C. Daggett, EPA  
W. Librizzi, EPA  
F. Rubel, EPA  
G. Zachos, EPA  
W. Mugdan, EPA  
J. Marshall, EPA  
USCG 3rd District, (mer)  
USCG COTPNY  
ERD, EPA Washington, D.C.  
(E-Mail)  
N. Nosenchuck, NYSDEC  
NRC  
A. Candela, NYSDEC  
A. Andreoli, SCDHS  
D. Axelrod, NYSDOH  
R. Ogg, EPA  
W. Andrews, EPA

POLREP NO.: Nineteen (19)  
INCIDENT NAME: Jagger Lane Site  
SITE/SPILL NO.: G-8  
POLLUTANT: Volatile Organics  
CLASSIFICATION: Major  
SOURCE: Unknown  
LOCATION: Southampton, New York  
AMOUNT: Unknown  
WATER BODY: Groundwater

1. SITUATION:

A. Same as before.

2. ACTION TAKEN:

A. SCWA has chlorinated and flushed the Jagger Lane extension water mains.

B. Town of Southampton continued restoration work.

C. On Tuesday, November 25, 1985, a meeting was held between Town of Southampton Consultant; HBWD, subcontractor R. Green, Inc. with OSC and TAT to discuss damages to driveway during the construction for #66 and #68 Jagger Lane.

3. FINANCIAL SITUATION:

A.	Total Funds (Extramural) Authorized For Mitigation Contracts as Per C. Daggett's authorization of 8/19/85	\$ 491,374
B.	Expenditures for Mitigation Contracts	
1.a.	Amount obligated to OH Materials for bottled water #6893-02-022	5,000
1.b.	Estimated expenditures for #6893-02-022 through 9/26/85	1,573
1.c.	Balance remaining for #6893- 02-022	3,427
2.a.	Amount obligated to Suffolk County Water Authority	244,045
2.b.	Estimated expenditures for #68-62-0016 through 11/23/85 DCN #KCS 514	181,706
2.c.	Balance remaining for #68-62-0016	62,338
3.a.	Amount obligated to Town of Southampton	206,869
3.b.	Estimated expenditures for #68-62-0015 through 11/27/85 DCN #KCS 505	186,091
3.c.	Balance remaining for #68-62-0015	20,778
C.	Unobligated balance remaining	35,460
D.	Estimate of total expenditures for all mitigation contracts through 11/23/85	369,370
E.	Other Extramural Costs	
1.	TAT, (salary/travel) through 12/06/85	60,066
2.	Total, other extramural costs through 12/06/85	60,066

F. Intramural Removal Costs  
(salary/travel through 11/15/85) 30,500

G. Total Expenditures and Percentage  
of \$1,000,000 \$ 459,936  
(45.9%IM)

4. FUTURE PLANS AND RECOMMENDATIONS:

A. SCWA will schedule to tap water mains and install water meters.

CASE CLOSED \_\_\_\_\_  
(TAT)

CASE PENDING X

SUBMITTED BY W. Gad Tawadros  
W. Gad Tawadros, OSC  
Response and Prevention  
Branch

DATE RELEASED: 12/17/85

U.S. ENVIRONMENTAL PROTECTION AGENCY

POLLUTION REPORT

DATE: December 20, 1985

Region II  
Response and Prevention Branch  
Edison, New Jersey 08837

TO:

Data Base Manager  
C. Daggett, EPA  
W. Librizzi, EPA  
F. Rubel, EPA  
G. Zachos, EPA  
W. Mugdan, EPA  
J. Marshall, EPA  
ERD, EPA Washington, D.C.  
(E-Mail)  
N. Nosenchuck, NYSDEC  
A. Candela, NYSDEC  
A. Andreoli, SCDHS  
D. Axelrod, NYSDOH  
S. Luftig, EPA  
W. Andrews, EPA

(201) 548-8730 - Commercial & FTS  
24 Hour Emergency

POLREP NO.: Twenty (20)  
INCIDENT NAME: Jagger Lane Site  
SITE/SPILL NO.: G-8  
POLLUTANT: Volatile Organics  
CLASSIFICATION: Major  
SOURCE: Unknown  
LOCATION: Southampton, New York  
AMOUNT: Unknown  
WATER BODY: Groundwater

1. SITUATION:

A. Same as previous POLREP.

2. ACTION TAKEN:

A. On Wednesday, December 18, 1985, South Fork Asphalt, Inc. (subcontractor to SCWA) have completed pavement restoration along the Windwood Court.

B. On Thursday, December 19, 1985, RCR Contracting, Inc. (subcontractor to Town of Southampton) have completed hookup of three (3) additional homes to public water supply. As of today, total number of homes hooked to public water is 63.homes.

3. FINANCIAL SITUATION:

A.	Total Funds (Extramural) Authorized for Mitigation Contracts as per C. Daggett's Authorization of 8/19/85	\$ 491,374
B.	Expenditures For Mitigation Contracts	
1.a.	Amount Obligated to O.H. Materials for bottled water #6893-02-022	5,000
1.b.	Estimated Expenditures For #6893-02-022 through 9/26/85	1,573
1.c.	Balance Remaining for #6893-02-022	3,427
2.a	Amount Obligated to Suffolk County Water Authority	244,045
2.b	Estimated Expenditures for #68-62-0016 through 11/23/85 DCN #KCS 514	181,706
2.c	Balance Remaining for #68-62-0016	62,338
3.a	Amount Obligated to Town of Southampton	206,869
3.b	Estimated Expenditures for #68-62-0015 through 11/27/85 DCN #KCS 505	186,091
3.c	Balance Remaining for #68-62-0015	20,778
C.	Unobligated Balance Remaining	35,460
D.	Estimate of Total Expenditures for All Mitigation Contracts through 11/23/85	369,370



E. Other Extramural Costs

1. TAT, (salary/travel) through 12/06/85 60,066

F. Intramural Removal Costs (salary/travel) through 12/06/85 33,000

G. Total Expenditures and Percentage of \$1,000,000 \$ 462,436  
(46.2% 1M )

4. FUTURE PLANS AND RECOMMENDATIONS:

A. SCWA will schedule to tap water mains and install water meters.

B. RCR Contracting, Inc. (subcontractor to Town of Southampton) will then make final hookups to public water supply.

CASE CLOSED \_\_\_\_\_ CASE PENDING X SUBMITTED BY:  
(TAT)

*Joseph A. Tawadros*  
W. Gad Tawadros, OSC  
Response and Prevention  
Branch

DATE RELEASED: 12/31/85

U.S. ENVIRONMENTAL PROTECTION AGENCY

POLLUTION REPORT

DATE: January 20, 1986

Region II  
Response and Prevention Branch  
Edison, New Jersey 08837

TO: Data Base Manager  
C. Daggett, EPA  
W. Librizzi, EPA  
F. Rubel, EPA  
G. Zachos, EPA  
W. Mugdan, EPA  
J. Marshall, EPA  
ERD, EPA Washington, D.C.  
(E-Mail)  
N. Nosenchuck, NYSDEC  
A. Candela, NYSDEC  
A. Andreoli, SCDHS  
D. Axelrod, NYSDOH  
S. Luftig, EPA  
W. Andrews, EPA

(201) 548-8730 - Commercial & FTS  
24 Hour Emergency

POLREP NO.: Twenty-one (21)  
INCIDENT NAME: Jagger Lane Site  
SITE/SPILL NO.: G-8  
POLLUTANT: Volatile Organics  
CLASSIFICATION: Major  
SOURCE: Unknown  
LOCATION: Southampton, New York  
AMOUNT: Unknown  
WATER BODY: Groundwater

1. SITUATION:

A. Same as previous POLREP.

2. ACTION TAKEN:

A. On Tuesday, January 7, 1985, a meeting was held at the SCWA Westhampton office, between the OSC and SCWA officials. The purpose of the meeting was to expedite the tapping of the water main and the installation of the vault meter box and water meter.

B. Authorization for additional trust fund monies to complete the removal action at the Jagger Lane groundwater contamination site was requested.

C. SCWA resumed tapping and installing the vault meter boxes the week of January 13, 1986. However, only three hook ups could be completed due to over 21 inches of frost, which made the backhoe ineffective and required

manually using a jackhammer to break through the frost. This method is time consuming and expensive in terms of man hours spent and delay time on the backhoe.

3. FINANCIAL SITUATION:

A.	Total Funds (Extramural) Authorized for Mitigation Contracts as per C. Daggett's Authorization of 8/19/85	\$ 491,374
B.	Expenditures For Mitigation Contracts	
1.a.	Amount Obligated to O.H. Materials for bottled water #6893-02-022	5,000
1.b.	Estimated Expenditures For #6893-02-022 through 9/26/85	1,573
1.c.	Balance Remaining for #6893-02-022	3,427
2.a	Amount Obligated to Suffolk County Water Authority	244,045
2.b	Estimated Expenditures for #68-62-0016 through 11/23/85 DCN #KCS 514	181,706
2.c	Balance Remaining for #68-62-0016	62,338
3.a	Amount Obligated to Town of Southampton	206,869
3.b	Estimated Expenditures for #68-62-0015 through 11/27/85 DCN #KCS 505	186,091
3.c	Balance Remaining for #68-62-0015	20,778
C.	Unobligated Balance Remaining	35,460
D.	Estimate of Total Expenditures for All Mitigation Contracts through 11/23/85	369,370

E. Other Extramural Costs

1. TAT, (salary/travel) through 1/20/86 63,591

F. Intramural Removal Costs (salary/travel) through 1/20/86 34,250

G. Total Expenditures and Percentage of \$1,000,000 \$ 467,211  
(46.7% 1M )

4. FUTURE PLANS AND RECOMMENDATIONS:

A. SCWA will suspend tapping the water main and installing the vault meter boxes and water meters until late March or early April, to allow time for the frost line to thaw.

B. Following completion of the final installations, any existing water line from the well will be disconnected completely and the wells capped.

C. Regional Counsel will prepare a letter for the residences in the affected area, notifying them that they will not be allowed to utilize their wells for any purpose (ie. watering the lawn, washing cars) once the public water supply is fully in place.

CASE CLOSED \_\_\_\_\_ CASE PENDS X SUBMITTED BY: W. Gad Tawadros

(TAT)

W. Gad Tawadros, OSC  
Response and Prevention  
Branch

DATE RELEASED: 1/23/86

U.S. ENVIRONMENTAL PROTECTION AGENCY

POLLUTION REPORT

DATE: Febraury 7, 1986

Region II  
Response and Prevention Branch  
Edison, New Jersey 08837

TO:

Data Base Manager  
C. Daggett, EPA  
W. Librizzi, EPA  
F. Rubel, EPA  
G. Zachos, EPA  
W. Mugdan, EPA  
J. Marshall, EPA  
ERD, EPA Washington, D.C.  
(E-Mail)  
N. Nosenchuck, NYSDEC  
A. Candela, NYSDEC  
A. Andreoli, SCDHS  
D. Axelrod, NYSDOH  
S. Luftig, EPA  
W. Andrews, EPA

(201) 548-8730 - Commercial & FTS  
24 Hour Emergency

POLREP NO.: Twenty-two (22)  
INCIDENT NAME: Jagger Lane Site  
SITE/SPILL NO.: G-8  
POLLUTANT: Volatile Organics  
CLASSIFICATION: Major  
SOURCE: Unknown  
LOCATION: Southampton, New York  
AMOUNT: Unknown  
WATER BODY: Groundwater

1. SITUATION:

A. Same as previous POLREP.

2. ACTION TAKEN:

A. On Friday, February 7, 1986, RCR Contracting, Inc. (subcontractor to the Town of Southampton) completed hookups of two (2) additional homes to public water supply. As of this date, a total of 65 homes have been hooked up to public water supply.

3. FINANCIAL SITUATION:

A.	Total Funds (Extramural) Authorized for Mitigation Contracts as per C. Daggett's Authorization of 8/19/85	\$ 491,374
B.	Expenditures For Mitigation Contracts	
1.a.	Amount Obligated to O.H. Materials for bottled water #6893-02-022	5,000
1.b.	Estimated Expenditures For #6893-02-022 through 9/26/85	1,573
1.c.	Balance Remaining for #6893-02-022	3,427
2.a	Amount Obligated to Suffolk County Water Authority	244,045
2.b	Estimated Expenditures for #68-62-0016 through 11/23/85 DCN #KCS 514	181,706
2.c	Balance Remaining for #68-62-0016	62,338
3.a	Amount Obligated to Town of Southampton	206,869
3.b	Estimated Expenditures for #68-62-0015 through 11/27/85 DCN #KCS 505	186,091
3.c	Balance Remaining for #68-62-0015	20,778
C.	Unobligated Balance Remaining	35,460
D.	Estimate of Total Expenditures for All Mitigation Contracts through 11/23/85	369,370

E. Other Extramural Costs

1. TAT, (salary/travel) through 1/20/86 63,591

F. Intramural Removal Costs (salary/travel) through 1/20/86 34,250

G. Total Expenditures and Percentage of \$1,000,000 \$ 467,211 (46.7% IM )

4. FUTURE PLANS AND RECOMMENDATIONS:

A. SCWA suspended tapping the water main and installing the vault meter boxes and water meters until late March or early April, to allow time for the frost line to thaw.

CASE CLOSED \_\_\_\_\_ CASE PENDING X SUBMITTED BY: N.H. Zacks, Jr.  
(TAT) W. Gad Tawadros, OSC  
Response and Prevention  
Branch

DATE RELEASED: Feb. 11, 1986

U.S. ENVIRONMENTAL PROTECTION AGENCY

POLLUTION REPORT

DATE: February 18, 1986

Region II  
Response and Prevention Branch  
Edison, New Jersey 08837

(201) 548-8730 - Commercial & FTS  
24 Hour Emergency

TO: C. Daggett, EPA  
W. Librizzi, EPA  
F. Rubel, EPA  
G. Zachos, EPA  
W. Mugdan, EPA  
J. Marshall, EPA  
ERD, EPA Washington, D.C.  
(E-Mail)  
N. Nosenchuck, NYSDEC  
A. Candela, NYSDEC  
A. Andreoli, SCDHS  
D. Axelrod, NYSDOH  
S. Luftig, EPA  
W. Andrews, EPA

POLREP NO.: Twenty-Three (23)  
INCIDENT NAME: Jagger Lane Site  
SITE/SPILL NO.: G-8  
POLLUTANT: Volatile Organics  
CLASSIFICATION: Major  
SOURCE: Unknown  
LOCATION: Southampton, New York  
AMOUNT: Unknown  
WATER BODY: Groundwater

1. SITUATION:

A. Same as previous POLREP.

2. ACTION TAKEN:

A. On Thursday February 13, 1986, a meeting was held at SCWA Oakdale Office, between EPA, TAT and SCWA officials. The purpose of this meeting was to expedite the tapping of the water main and installation of the vault meter boxes and water meters for the remaining homes. Additionally, EPA received 1900-55 forms for the previous week's work.



3. FINANCIAL SITUATION:

A.	Total Funds (Extramural) Authorized for Mitigation Contracts as per C. Daggett's Authorization of 8/19/85	\$ 491,374
B.	Expenditures For Mitigation Contracts	
1.a.	Amount Obligated to O.H. Materials for bottled water #6893-02-022	5,000
1.b.	Estimated Expenditures For #6893-02-022 through 9/26/85	1,573
1.c.	Balance Remaining for #6893-02-022	3,427
2.a	Amount Obligated to Suffolk County Water Authority	244,045
2.b	Estimated Expenditures for #68-62-0016 through 11/23/85 DCN #KCS 514	221,637
2.c	Balance Remaining for #68-62-0016	22,408
3.a	Amount Obligated to Town of Southampton	206,869
3.b	Estimated Expenditures for #68-62-0015 through 11/27/85 DCN #KCS 505	186,091
3.c	Balance Remaining for #68-62-0015	20,778
C.	Unobligated Balance Remaining	35,460
D.	Estimate of Total Expenditures for All Mitigation Contracts through 11/23/85	409,301

E. Other Extramural Costs

1. TAT, (salary/travel) through 1/20/86 63,591

F. Intramural Removal Costs (salary/travel) through 1/20/86 34,500

G. Total Expenditures and Percentage of \$1,000,000 \$ 507,392 (50.7% 1M )

4. FUTURE PLANS AND RECOMMENDATIONS:

A. SCWA will tap water main and install water meters for all remaining homes.

B. Town of Southampton will tie-in water services for all remaining homes and complete restoration work.

FURTHER  
POLREPS  
FINAL POLREP FORTHCOMING X SUBMITTED BY: W. Gad Tawadros, OSC  
(TAT) Response and Prevention  
Branch

U.S. ENVIRONMENTAL PROTECTION AGENCY

POLLUTION REPORT

DATE: March 7, 1986

Region II  
Response and Prevention Branch  
Edison, New Jersey 08837  
  
(201) 548-8730 - Commercial & FTS  
24 Hour Emergency

TO: C. Daggett, EPA  
W. Librizzi, EPA  
F. Rubel, EPA  
G. Zachos, EPA  
W. Mugdan, EPA  
J. Marshall, EPA  
ERD, EPA Washington, D.C.  
(E-Mail)  
N. Nosenchuck, NYSDEC  
A. Candela, NYSDEC  
A. Andreoli, SCDHS  
D. Axelrod, NYSDOH  
S. Luftig, EPA  
W. Andrews, EPA

POLREP NO.: Twenty-Four (24)  
INCIDENT NAME: Jagger Lane Site  
SITE/SPILL NO.: G-8  
POLLUTANT: Volatile Organics  
CLASSIFICATION: Major  
SOURCE: Unknown  
LOCATION: Southampton, New York  
AMOUNT: Unknown  
WATER BODY: Groundwater

1. SITUATION:

A. Same as previous POLREP.

2. ACTION TAKEN:

A. SCWA continued tapping and installing vault meter boxes, and curb stops on March 4, 1986.

B. OSC requested Town of Southampton to continue restoration work as needed.

C. Authorization of additional Trust Fund monies for Immediate Removal activities were approved on February 28, 1986.

3. FINANCIAL SITUATION:

A.	Total Funds (Extramural) Authorized for Mitigation Contracts as per C. Daggett's Authorization of 8/19/85	\$ 491,374
B.	Expenditures For Mitigation Contracts	
1.a.	Amount Obligated to O.H. Materials for bottled water #6893-02-022	5,000
1.b.	Estimated Expenditures For #6893-02-022 through 9/26/85	1,573
1.c.	Balance Remaining for #6893-02-022	3,427
2.a	Amount Obligated to Suffolk County Water Authority	244,045
2.b	Estimated Expenditures for #68-62-0016 through 11/23/85 DCN #KCS 514	221,637
2.c	Balance Remaining for #68-62-0016	22,408
3.a	Amount Obligated to Town of Southampton	206,869
3.b	Estimated Expenditures for #68-62-0015 through 11/27/85 DCN #KCS 505	186,091
3.c	Balance Remaining for #68-62-0015	20,778
C.	Unobligated Balance Remaining	35,460
D.	Estimate of Total Expenditures for All Mitigation Contracts through 11/23/85	409,301

E. Other Extramural Costs

1. TAT, (salary/travel) through 2/28/86 64,691

F. Intramural Removal Costs (salary/travel) through 2/28/86 36,000

G. Total Expenditures and Percentage of \$1,000,000 \$ 510,083 (51.0% 1M )

4. FUTURE PLANS AND RECOMMENDATIONS:

A. SCWA will continue to tap water main and install water meters for all remaining homes.

B. Town of Southampton will continue to tie-in water services for all remaining homes and complete restoration work.

FINAL POLREP \_\_\_\_\_ FURTHER  
POLREPS  
FORTHCOMING \_\_\_\_\_ SUBMITTED BY: W. Gad Tawadros, OSC  
(TAT) Response and Prevention  
Branch

U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION II

POLLUTION REPORT

DATE: March 14, 1986

Region II  
Response and Prevention Branch  
Edison, New Jersey 08837

(201) 548-8730 - Commercial & FTS  
24 Hour Emergency

TO: C. Daggett, EPA  
W. Librizzi, EPA  
F. Rubel, EPA  
G. Zachos, EPA  
W. Mugdan, EPA  
J. Marshall, EPA  
ERD, EPA Washington, D.C.  
(E-Mail)  
N. Nosenchuck, NYSDEC  
A. Candela, NYSDEC  
A. Andreoli, SCDHS  
D. Axelrod, NYSDOH  
S. Luftig, EPA  
W. Andrews, EPA

POLREP NO.: Twenty-Five (25)  
INCIDENT NAME: Jagger Lane Site  
SITE/SPILL NO.: G-8  
POLLUTANT: Volatile Organics  
CLASSIFICATION: Major  
SOURCE: Unknown  
LOCATION: Southampton, New York  
AMOUNT: Unknown  
WATER BODY: Groundwater

1. SITUATION:

A. Same as previous POLREP.

2. ACTION TAKEN:

A. SCWA continued tapping and installing vault meter boxes, and curb stops.

B. On Thursday, March 13, 1986, a meeting was held at the Jagger Lane site between EPA, TAT, and Hampton Bay Water District (HBWD) Manager (representing Town of Southampton). The purpose of this meeting was field inspection of all pending restoration work. Field inspection revealed that 21 homes require restoration work. The list of homes requiring restoration work was given to HBWD.

3. FINANCIAL SITUATION:

A.	Total Funds (Extramural) Authorized for Mitigation Contracts as per C. Daggett's Authorization of 8/19/85	\$ 491,374
B.	Expenditures For Mitigation Contracts	
1.a.	Amount Obligated to O.H. Materials for bottled water #6893-02-022	5,000
1.b.	Estimated Expenditures For #6893-02-022 through 9/26/85	1,573
1.c.	Balance Remaining for #6893-02-022	3,427
2.a	Amount Obligated to Suffolk County Water Authority	244,045
2.b	Estimated Expenditures for #68-62-0016 through 11/23/85 DCN #KCS 514	221,637
2.c	Balance Remaining for #68-62-0016	22,408
3.a	Amount Obligated to Town of Southampton	226,869
3.b	Estimated Expenditures for #68-62-0015 through 03/06/86 DCN # will follow next polrep	194,572
3.c	Balance Remaining for #68-62-0015	32,297
C.	Unobligated Balance Remaining	35,460
D.	Estimate of Total Expenditures for All Mitigation Contracts through 11/23/85	417,782

E. Other Extramural Costs

1. TAT, (salary/travel) through 03/14/86 65,779

F. Intramural Removal Costs (salary/travel) through 03/14/86 36,500

G. Total Expenditures and Percentage of \$1,000,000 \$ 520,061 (52% 1M)

4. FUTURE PLANS AND RECOMMENDATIONS:

A. SCWA will continue to tap water main and install water meters for the remaining homes located on South Road. The work was postponed due to high groundwater.

B. SCWA will continue the restoration work.

C. The Town of Southampton will continue to tie-in water services for all remaining homes and complete restoration work.

FINAL POLREP \_\_\_\_\_ FURTHER POLREPS FORTHCOMING X SUBMITTED BY: W. Gad Tawadros  
(TAT) Response and Prevention Branch

Date Released 3/18/86



U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION II

POLLUTION REPORT

DATE: March 21, 1986

Region II  
Response and Prevention Branch  
Edison, New Jersey 08837  
  
(201) 548-8730 - Commercial & FTS  
24 Hour Emergency

TO: C. Daggett, EPA  
W. Librizzi, EPA  
F. Rubel, EPA  
G. Zachos, EPA  
W. Mugdan, EPA  
J. Marshall, EPA  
ERD, EPA Washington, D.C.  
(E-Mail)  
N. Nosenchuck, NYSDEC  
A. Candela, NYSDEC  
A. Andreoli, SCDHS  
D. Axelrod, NYSDOH  
S. Luftig, EPA  
W. Andrews, EPA

POLREP NO.: Twenty-Six (26)  
INCIDENT NAME: Jagger Lane Site  
SITE/SPILL NO.: G-8  
POLLUTANT: Volatile Organics  
CLASSIFICATION: Major  
SOURCE: Unknown  
LOCATION: Southampton. New York  
AMOUNT: Unknown  
WATER BODY: Groundwater

1. SITUATION:

A. Same as previous POLREP.

2. ACTION TAKEN:

A. On March 20, 1986, Town of Southampton (HBWD) resumed restoration work for those homes requiring restoration in between the property line.

3. FINANCIAL SITUATION:

A.	Total Project Ceiling Authorized	\$ 671,000
B.	Total Funds (Extramural) Authorized for Mitigation Contracts	491,374
C.	Expenditures for Mitigation Contracts	
1.a.	Amount Obligated to O.H. Materials DCN #467	5,000
1.b.	Estimated Expenditures for DCN #467	1,573
1.c.	Balance Remaining for DCN #467	3,427
2.a	Amount Obligated to Suffolk County Water Authority DCN #KC-514	244,045
2.b	Estimated Expenditures for DCN #KCS-514	221,637
2.c	Balance Remaining for DCN #KCS-514	22,408
3.a	Amount Obligated to Town of Southampton DCN #345	226,869
3.b	Estimated Expenditures for DCN #345	194,572
3.c	Balance Remaining for DCN #345	32,297
D.	Unobligated Balance Remaining	35,460
E.	Estimate of Total Expenditures to Date for all Mitigation Contracts	417,782
F.	Other Extramural Costs	
1.a.	TAT Special Project Expenditures	2,275
1.b.	TAT, Other Expenses (Salary/Travel)	65,779
2.	Total, Other Extramural Costs	68,054

G. Intramural Removal Costs Reported by  
Computer Accounting

1.	Travel	\$ 7,434
2.	Salaries	20,498
3.	Total Intramural Costs for Removal	27,932

H. Total Expenditures and Percentage  
of \$1,000,000

513,768  
(51.4 1M)

I. Percentage of Ceiling

76.56%

4. FUTURE PLANS AND RECOMMENDATIONS:

A. SCWA will continue to tap water main and install water meters for the remaining homes located on South Road. The work was postponed due to high groundwater.

B. SCWA will continue the restoration work.

C. The Town of Southampton will continue to tie-in water services for all remaining homes and complete restoration work.

FURTHER  
POLREPS  
FINAL POLREP        FORTHCOMING X SUBMITTED BY: W. Gad Tawadros  
(TAT) W. Gad Tawadros, OSC  
Response and Prevention  
Branch

Date Released 4/7/86

U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION II

POLLUTION REPORT

DATE: April 8, 1986

Region II  
Response and Prevention Branch  
Edison, New Jersey 08837

(201) 548-8730 - Commercial & FTS  
24 Hour Emergency

TO: C. Daggett, EPA  
W. Librizzi, EPA  
F. Rubel, EPA  
G. Zachos, EPA  
W. Mugdan, EPA  
J. Marshall, EPA  
ERD, EPA Washington, D.C.  
(E-Mail)  
N. Nosenchuck, NYSDEC  
A. Candela, NYSDEC  
A. Andreoli, SCDHS  
D. Axelrod, NYSDOH  
S. Luftig, EPA  
W. Andrews, EPA

POLREP NO.: Twenty-Seven (27)  
INCIDENT NAME: Jagger Lane Site  
SITE/SPILL NO.: G-8  
POLLUTANT: Volatile Organics  
CLASSIFICATION: Major  
SOURCE: Unknown  
LOCATION: Southampton, New York  
AMOUNT: Unknown  
WATER BODY: Groundwater

1. SITUATION:

A. Same as previous POLREP.

2. ACTION TAKEN:

A. On March 25, 1986, South Fork Asphalt, Inc. (subcontractor to SCWA) resumed pavement restoration along Jagger Lane and South Road.

B. On April 3, 1986, Landscape Associates (subcontractor to SCWA) performed landscape restoration to restore the topsoil along the water main trench area to its original condition.

C. On April 3, 1986, the SCWA resumed tapping and installation of vault meter box at South Road. A total of eighty-one (81) homes have tapped and vault meter boxes installed. As of today, the SCWA has completed all tapping and vault meter installation in the risk area.

G. Intramural Removal Costs Reported by  
Computer Accounting

1. Travel	\$ 7,434
2. Salaries	20,498
3. Total Intramural Costs for Removal	27,932

H. Total Expenditures and Percentage  
of \$1,000,000

513,768  
(51.4 1M)

I. Percentage of Ceiling

76.56%

4. FUTURE PLANS AND RECOMMENDATIONS:

A. SCWA will continue the restoration work.

B. The Town of Southampton will continue to tie-in water  
services for all remaining homes and complete restoration  
work.

FINAL POLREP \_\_\_\_\_ FURTHER  
(TAT) POLREPS  
FORTHCOMING X SUBMITTED BY: W. Gad Tawadros  
W. Gad Tawadros, OSC  
Response and Prevention  
Branch

Date Released 4/8/86

3510-49A

5167

U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION II

POLLUTION REPORT

DATE: May 8, 1986

Region II  
Response and Prevention Branch  
Edison, New Jersey 08837

(201) 548-8730 - Commercial & FTS  
24 Hour Emergency

TO: C. Daggett, EPA  
W. Librizzi, EPA  
F. Rubel, EPA  
G. Zachos, EPA  
W. Mugdan, EPA  
J. Marshall, EPA  
ERD, EPA Washington, D.C.  
(E-Mail)  
N. Nosenchuck, NYSDEC  
A. Candela, NYSDEC  
A. Andreoli, SCDHS  
D. Axelrod, NYSDOH  
J. Czapor, EPA  
W. Andrews, EPA

POLREP NO.: Twenty-Eight (28)  
INCIDENT NAME: Jagger Lane Site  
SITE/SPILL NO.: G-8  
POLLUTANT: Volatile Organics  
CLASSIFICATION: Major  
SOURCE: Unknown  
LOCATION: Southampton, New York  
AMOUNT: Unknown  
WATER BODY: Groundwater

1. SITUATION:

A. Same as previous POLREP.

2. ACTION TAKEN:

A. On Thursday May 1, 1986, RCR Contracting, Inc. (subcontractor's to the Town of Southampton) completed water service hookups for five (5) additional homes to the public water supply. One home required a reduced pressure zone (RPZ) unit.

B. As of this date, a total of 71 homes have been hooked up to the public water supply. Five additional homes will be hooked up once special agreements can be reached between EPA Regional Counsel and each of the five homes owners regarding easements for property restoration.

C. On April 25, 1986, a meeting was held between EPA, TAT and SCWA. The purpose of this meeting was to discuss expediting road restoration work to be completed by SCWA. At the meeting, a list of homes requiring restoration work was given to SCWA.

D. On May 1, 1986, the EPA OSC and the HBWD Superintendent surveyed the remaining homes requiring restoration work. The EPA requested HBWD to expedite this restoration work.

### 3. FINANCIAL SITUATION:

A.	Total Project Ceiling Authorized	\$ 671,000
B.	Total Funds (Extramural) Authorized for Mitigation Contracts	533,181
C.	Expenditures for Mitigation Contracts	
1.a.	Amount Obligated to O.H. Materials for Bottled Water DCN #467	5,000
1.b.	Estimated Expenditures for DCN #467	1,573
1.c.	Balance Remaining for DCN #467	3,427
2.a	Amount Obligated to Suffolk County Water Authority DCN #KCS-514	244,045
2.b.	Estimated Expenditures for DCN #KCS-514	221,637
2.c	Balance Remaining for DCN #KCS-514	22,408
3.a	Amount Obligated to Town of Southampton DCN #345	226,869
3.b	Estimated Expenditures for DCN #345	194,572
3.c	Balance Remaining for DCN #345	32,297
D.	Unobligated Balance Remaining	35,460

E. Estimate of Total Expenditures  
to Date for all Mitigation Contracts 417,782

F. Other Extramural Costs

1.a. TAT Special Project  
Expenditures 2,275

1.b. TAT, Other Expenses  
(Salary/Travel) 65,779

2. Total, Other Extramural Costs 68,054

G. Intramural Removal Costs Reported by  
Computer Accounting

1. Travel \$ 7,434

2. Salaries 20,498

3. Total Intramural Costs  
for Removal 27,932

H. Total Expenditures and Percentage  
of \$1,000,000 513,768  
(51.4%IM)

I. Percentage of Ceiling 76.5%

4. FUTURE PLANS AND RECOMMENDATIONS:

A. The SCWA will continue to complete all restoration work  
required to complete the water main construction project.

B. The Town of Southampton will continue restoration work at  
the remaining homes.

C. Hookups for the five additional homes will be completed  
once an agreement is reached between EPA Regional Counsel and  
the five individual home owners.

FURTHER  
POLREPS  
FINAL POLREP        FORTHCOMING X SUBMITTED BY: W. Gad Tawadros  
(TAT) Response and Prevention  
Branch

Date Released 5/9/84



85K-496  
5402

U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION II

POLLUTION REPORT

DATE: May 19, 1986

Region II  
Response and Prevention Branch  
Edison, New Jersey 08837

(201) 548-8730 - Commercial & FTS  
24 Hour Emergency

TO: C. Daggett, EPA  
W. Librizzi, EPA  
F. Rubel, EPA  
G. Zachos, EPA  
W. Mugdan, EPA  
J. Marshall, EPA  
ERD, EPA Washington, D.C.  
(E-Mail)  
N. Nosenchuck, NYSDEC  
A. Candela, NYSDEC  
A. Andreoli, SCDHS  
D. Axelrod, NYSDOH  
J. Czapor, EPA  
W. Andrews, EPA

POLREP NO.: Twenty-Nine (29)  
INCIDENT NAME: Jagger Lane Site  
SITE/SPILL NO.: G-8  
POLLUTANT: Volatile Organics  
CLASSIFICATION: Major  
SOURCE: Unknown  
LOCATION: Southampton, New York  
AMOUNT: Unknown  
WATER BODY: Groundwater

1. SITUATION:

A. Same as previous POLREP.

2. ACTION TAKEN:

A. On Friday May 16, 1986, RCR Contracting, Inc. (subcontractor's to the Town of Southampton) completed water service hookups for two (2) additional homes to the public water supply.

B. As of this date, a total of 74 homes have been hooked up to the public water supply. Five additional homes will be hooked up once special agreements can be reached between EPA Regional Counsel and each of the five homes owners regarding easements for property restoration.

C. The Town of Southampton has continued restoration work at the remaining homes.

3. FINANCIAL SITUATION:

A.	Total Project Ceiling Authorized	\$ 671,000
B.	Total Funds (Extramural) Authorized for Mitigation Contracts	533,181
C.	Expenditures for Mitigation Contracts	
1.a.	Amount Obligated to O.H. Materials for Bottled Water DCN #467	5,000
1.b.	Estimated Expenditures for DCN #467	1,573
1.c.	Balance Remaining for DCN #467	3,427
2.a	Amount Obligated to Suffolk County Water Authority DCN #KCS-514	244,045
2.b	Estimated Expenditures for DCN #KCS-514	221,637
2.c	Balance Remaining for DCN #KCS-514	22,408
3.a	Amount Obligated to Town of Southampton DCN #345	226,869
3.b	Estimated Expenditures for DCN #345	194,572
3.c	Balance Remaining for DCN #345	32,297
D.	Unobligated Balance Remaining	35,460

E.	Estimate of Total Expenditures to Date for all Mitigation Contracts	417,782
F.	Other Extramural Costs	
1.a.	TAT Special Project Expenditures	2,275
1.b.	TAT, Other Expenses (Salary/Travel)	65,779
2.	Total, Other Extramural Costs	68,054
G.	Intramural Removal Costs Reported by Computer Accounting	
1.	Travel	\$ 7,434
2.	Salaries	20,498
3.	Total Intramural Costs for Removal	27,932
H.	Total Expenditures and Percentage of \$1,000,000	513,768 (51.4%IM)
I.	Percentage of Ceiling	76.5%

4. FUTURE PLANS AND RECOMMENDATIONS:

- A. The SCWA will continue to complete all restoration work required to complete the water main construction project.
- B. The Town of Southampton will continue restoration work at the remaining homes.
- C. Hookups for the five additional homes will be completed once an agreement is reached between EPA Regional Counsel and the five individual home owners.

FURTHER  
POLREPS

FINAL POLREP \_\_\_\_\_ FORTHCOMING X SUBMITTED BY: W. J. - 11C  
 (TAT) W. Gad Tawadros, OSC  
 Response and Prevention  
 Branch

Date Released 5-20-86

U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION II

POLLUTION REPORT

DATE: June 18, 1986

Region II  
Response and Prevention Branch  
Edison, New Jersey 08837

(201) 548-8730 - Commercial & FTS  
24 Hour Emergency

TO: C. Daggett, EPA  
W. Librizzi, EPA  
F. Rubel, EPA  
G. Zachos, EPA  
W. Mugdan, EPA  
J. Marshall, EPA  
ERD, EPA Washington, D.C.  
(E-Mail)  
N. Nosenchuck, NYSDEC  
A. Candela, NYSDEC  
A. Andreoli, SCDHS  
D. Axelrod, NYSDOH  
J. Czapor, EPA  
W. Andrews, EPA

POLREP NO.: Thirty (30)  
INCIDENT NAME: Jagger Lane Site  
SITE/SPILL NO.: G-8  
POLLUTANT: Volatile Organics  
CLASSIFICATION: Major  
SOURCE: Unknown  
LOCATION: Southampton, New York  
AMOUNT: Unknown  
WATER BODY: Groundwater

1. SITUATION:

A. Same as previous POLREP.

2. ACTION TAKEN:

A. On Friday May 28, 1986, RCR Contracting, Inc. (subcontractor's to the Town of Southampton) completed water service tie-in for one (1) additional home to the public water supply.

B. As of this date, a total of 76 homes have been tied-in to the public water supply. Three additional homes will be tied-in once special agreements can be reached between EPA Regional Counsel and each of the three home owners regarding easements for property restoration. One of these homes was provided with hookup from the property line to halfway to the structure. Two additional homes were provided with hookups from the property lines to the structures. Owners will tie-in at their own expense at a future date.

C. The Town of Southampton has continued restoration work at the remaining homes.

D. On May 20, 1986, a meeting was held at the Jagger Site regarding driveway restorations. Attendees were EPA/TAT, HBWD, and the homeowner. HBWD (subcontractor to Town of Southampton) will begin driveway restoration on June 12, 1986.

3. FINANCIAL SITUATION:

A.	Total Project Ceiling Authorized	\$ 671,000
B.	Total Funds (Extramural) Authorized for Mitigation Contracts	533,181
C.	Expenditures for Mitigation Contracts	
1.a.	Amount Obligated to O.H. Materials for Bottled Water DCN #467	5,000
1.b.	Estimated Expenditures for DCN #467	1,573
1.c.	Balance Remaining for DCN #467	3,427
2.a	Amount Obligated to Suffolk County Water Authority DCN #KCS-514	244,045
2.b	Estimated Expenditures for DCN #KCS-514	224,415
2.c	Balance Remaining for DCN #KCS-514	19,629
3.a	Amount Obligated to Town of Southampton DCN #345	226,869
3.b	Estimated Expenditures for DCN #345	194,572
3.c	Balance Remaining for DCN #345	32,297
D.	Unobligated Balance Remaining	35,460

E.	Estimate of Total Expenditures to Date for all Mitigation Contracts	\$ 420,560
F.	Other Extramural Costs	
1.a.	TAT Special Project Expenditures	2,275
1.b.	TAT, Other Expenses (Salary/Travel)	88,550
2.	Total, Other Extramural Costs	90,825
G.	Intramural Removal Costs Reported by Computer Accounting	
1.	Travel	10,100
2.	Salaries	30,010
3.	Total Intramural Costs for Removal	40,100
H.	Total Expenditures and Percentage of \$1,000,000	\$ 551,485 (55.1%IM)
I.	Percentage of Ceiling	82.2%

4. FUTURE PLANS AND RECOMMENDATIONS:

- A. The SCWA will continue to complete all restoration work required to complete the water main construction project.
- B. The Town of Southampton will continue restoration work at the remaining homes.
- C. Hookups for the three additional homes will be completed once an agreement is reached between EPA Regional Counsel and the five individual home owners.

FINAL POLREP \_\_\_\_\_ FURTHER  
 (TAT) POLREPS FORTHCOMING X SUBMITTED BY: W. G. Tawadros  
 W. Gad Tawadros, OSC  
 Response and Prevention  
 Branch

Date Released 6-23-86

U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION II

POLLUTION REPORT

DATE: July 25, 1986

Region II  
Response and Prevention Branch  
Edison, New Jersey 08837  
  
(201) 548-8730 - Commercial & FTS  
24 Hour Emergency

TO: C. Daggett, EPA  
W. Librizzi, EPA  
F. Rubel, EPA  
G. Zachos, EPA  
W. Mugdan, EPA  
J. Marshall, EPA  
ERD, EPA Washington, D.C.  
(E-Mail)  
N. Nosenchuck, NYSDEC  
A. Candela, NYSDEC  
A. Andreoli, SCDHS  
D. Axelrod, NYSDOH  
J. Czapor, EPA  
W. Andrews, EPA

POLREP NO.: Thirty-One (31)  
INCIDENT NAME: Jagger Lane Site  
SITE/SPILL NO.: G-8  
POLLUTANT: Volatile Organics  
CLASSIFICATION: Major  
SOURCE: Unknown  
LOCATION: Southampton, New York  
AMOUNT: Unknown  
WATER BODY: Groundwater

1. SITUATION:

A. Same as previous POLREP.

2. ACTION TAKEN:

A. On June 30, 1986, SCWA completed restoration work in the water-main and water meter box trench area.

B. On July 8, 1986, a meeting was held at one of the private residences. Attendees were representatives of EPA Enforcement, the OSC, TAT, a HBWD Superintendent, a Town of Southampton Consultant and the homeowner. An agreement was reached to complete the remaining hookups to the public water supply.

C. On July 16, 1986, an additional homeowner signed an agreement to tie-in to public water supply.

D. On July 22, 1986, HBWD completed the service line for one of the homeowners.

E. A third homeowner signed the agreement with EPA to complete remaining work to tie-in to the public water supply.

F. As of July 23, 1986, HBWD has continued to complete service line installations for the additional homes which have agreements.

3. FINANCIAL SITUATION:

A.	Total Project Ceiling Authorized	\$ 671,000
B.	Total Funds (Extramural) Authorized for Mitigation Contracts	533,181
C.	Expenditures for Mitigation Contracts	
1.a.	Amount Obligated to O.H. Materials for Bottled Water DCN #467	5,000
1.b.	Estimated Expenditures for DCN #467	1,573
1.c.	Balance Remaining for DCN #467	3,427
2.a	Amount Obligated to Suffolk County Water Authority DCN #KCS-514	244,045
2.b	Estimated Expenditures for DCN #KCS-514	224,415
2.c	Balance Remaining for DCN #KCS-514	19,629
3.a	Amount Obligated to Town of Southampton DCN #345	226,869
3.b	Estimated Expenditures for DCN #345	201,319
3.c	Balance Remaining for DCN #345	25,549
D.	Unobligated Balance Remaining	35,460



E.	Estimate of Total Expenditures to Date for all Mitigation Contracts	\$ 447,307
F.	Other Extramural Costs	
1.a.	TAT Special Project Expenditures	2,275
1.b.	TAT, Other Expenses (Salary/Travel)	88,550
2.	Total, Other Extramural Costs	90,825
G.	Intramural Removal Costs Reported by Computer Accounting	
1.	Travel	10,100
2.	Salaries	30,010
3.	Total Intramural Costs for Removal	40,100
H.	Total Expenditures and Percentage of \$1,000,000	\$ 578,232 (57.8%1M)
I.	Percentage of Ceiling	86%

4. FUTURE PLANS AND RECOMMENDATIONS:

- A. The Town of Southampton will continue restoration work at the remaining homes.
- B. HBWD will continue to complete final hookups for the Jagger Lane Site.

FURTHER  
POLREPS

FINAL POLREP \_\_\_\_\_ FORTHCOMING X SUBMITTED BY: W. Gad Tawadros  
(TAT) W. Gad Tawadros, OSC  
Response and Prevention  
Branch

Date Released 8-4-86

U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION II

POLLUTION REPORT

DATE: September 4, 1986

Region II  
Response and Prevention Branch  
Edison, New Jersey 08837

(201) 548-8730 - Commercial & FTS  
24 Hour Emergency

TO: C. Daggett, EPA  
F. Rubel, EPA  
G. Zachos, EPA  
W. Mugdan, EPA  
J. Marshall, EPA  
ERD EPA Washington, D.C.  
(E-Mail)  
N. Nosenchuck, NYSDEC  
A. Candela, NYSDEC  
A. Andreoli, SCDHS  
D. Axelrod, NYSDOH  
J. Czapor, EPA  
W. Andrews, EPA

POLREP NO.: Thirty-Two (32)  
INCIDENT NAME: Jagger Lane Site  
SITE/SPILL NO.: G-8  
POLLUTANT: Volatile Organics  
CLASSIFICATION: Major  
SOURCE: Unknown  
LOCATION: Southampton, New York  
AMOUNT: Unknown  
WATER BODY: Groundwater

1. SITUATION:

A. Same as previous POLREP.

2. ACTION TAKEN:

A. On August 15, 1986, RCR Contracting, Inc. (subcontractor's to the Town of Southampton) completed water service tie-in for two (2) additional homes, to the public water supply.

B. Time extension to September 30, 1986, was granted by the Contracting Officer of EPA. This was required to complete the tie-in service to the one remaining home and complete all the remaining restoration work.

C. On September 3, 1986, a meeting was held at HBWD. The purpose of this meeting was to expedite tie-in service to the one remaining home. OSC requested an inventory of all materials used at the Jagger Lane Project.

3. FINANCIAL SITUATION:

A.	Total Project Ceiling Authorized	\$ 671,000
B.	Total Funds (Extramural) Authorized for Mitigation Contracts	533,181
C.	Expenditures for Mitigation Contracts	
1.a.	Amount Obligated to O.H. Materials for Bottled Water DCN #KCS-467	5,000
1.b.	Estimated Expenditures for DCN #KCS-467	1,573
1.c.	Balance Remaining for DCN #KCS-467	3,427
2.a	Amount Obligated to Suffolk County Water Authority DCN #KCS-514	244,045
2.b	Estimated Expenditures for DCN #KCS-514	224,415
2.c	Balance Remaining for DCN #KCS-514	19,629
3.a	Amount Obligated to Town of Southampton DCN #345	226,869
3.b	Estimated Expenditures for DCN #345 as of 7/25/86	206,757
3.c	Balance Remaining for DCN #345 as of 7/25/86	20,112
D.	Unobligated Balance Remaining.	35,460
E.	Estimate of Total Expenditures to Date for all Mitigation Contracts	432,745
F.	Other Extramural Costs	
1.a.	TAT Special Project Expenditures	2,275
1.b.	TAT, Other Expenses (Salary/Travel) as of 7/25/86	94,415

2.	Total, Other Extramural Costs	96,690
G. Intramural Removal Costs Reported by Computer Accounting		
1.	Travel	\$ 10,000
2.	Salaries as of 7/25/86	30,100
3.	Total Intramural Costs for Removal	40,100
H.	Total Expenditures and Percentage of \$1,000,000	\$ 569,535 (56.9%IM)
I.	Percentage of Ceiling	85%

4. FUTURE PLANS AND RECOMMENDATIONS:

A. The Town of Southampton will continue driveway restoration work at the remaining homes.

B. Upon approval of RPZ application, HBWD will complete the final hookup for the Jagger Lane Project.

FINAL POLREP \_\_\_\_\_ FURTHER  
POLREPS  
FORTHCOMING X SUBMITTED BY: W. J. Tawadros  
(TAT) W. Gad Tawadros, OSC  
Response and Prevention  
Branch

Date Released 7-8-86

U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION II

POLLUTION REPORT

DATE: September 16, 1986

Region II  
Response and Prevention Branch  
Edison, New Jersey 08837

TO: C. Daggett, EPA  
F. Rubel, EPA  
G. Zachos, EPA  
W. Mugdan, EPA  
J. Marshall, EPA  
ERD, EPA Washington, D.C.  
(E-Mail)  
N. Nosenchuck, NYSDEC  
A. Candela, NYSDEC  
A. Andreoli, SCDHS  
D. Axelrod, NYSDOH  
J. Czapor, EPA  
W. Andrews, EPA

(201) 548-8730 - Commercial & FTS  
24 Hour Emergency

POLREP NO.: Thirty-Three (33)  
INCIDENT NAME: Jagger Lane Site  
SITE/SPILL NO.: G-8  
POLLUTANT: Volatile Organics  
CLASSIFICATION: Major  
SOURCE: Unknown  
LOCATION: Southampton, New York  
AMOUNT: Unknown  
WATER BODY: Groundwater

1. SITUATION:

A. Same as previous POLREP.

2. ACTION TAKEN:

A. On September 12, 1986, RCR Contracting, Inc. (subcontractor to the Town of Southampton) completed water service tie-in for one (1) additional home, to the public water supply.

B. All of the work proposed in Jagger Lane, Westhampton, Immediate Removal Action Memorandum has been completed, i.e., all affected homes have been connected to a public water supply.

C. As part of the Town of Southampton contract, HBWD (subunit of Town of Southampton) has completed hook-ups from property line to the basement and also tie-ins with water service. Existing wells have been disconnected and capped.

All restoration work has also been completed.

TAT-02-F-01484

COMMUNITY RELATIONS PLAN  
JAGGER LANE, WEST HAMPTON GROUNDWATER CONTAMINATION SITE  
SOUTHAMPTON, LONG ISLAND

Prepared By:  
Nicholas DeRose  
Weston/SPER Division  
Edison, New Jersey 08837

Prepared For:  
W. Gad Tawadros, OSC  
Emergency and Remedial Response Division  
Response and Prevention Branch, U.S. EPA  
Edison, New Jersey 08837

D. As part of the SCWA contract, SCWA has extended water mains to all affected areas and all affected homes have been connected to public water supply.

All restoration work has also been completed.

3. FINANCIAL SITUATION:

A.	Total Project Ceiling Authorized	\$ 671,000
B.	Total Funds (Extramural) Authorized for Mitigation Contracts	533,181
C.	Expenditures for Mitigation Contracts	
1.a.	Amount Obligated to O.H. Materials for Bottled Water DCN #KCS-467	5,000
1.b.	Estimated Expenditures for DCN #KCS-467	1,573
1.c.	Balance Remaining for DCN #KCS-467	3,427
2.a	Amount Obligated to Suffolk County Water Authority DCN #KCS-514	244,045
2.b	Estimated Expenditures for DCN #KCS-514	224,415
2.c	Balance Remaining for DCN #KCS-514	19,629
3.a	Amount Obligated to Town of Southampton DCN #345	226,869
3.b	Estimated Expenditures for DCN #345 As of 08/22/86	212,251
3.c	Balance Remaining for DCN #345 As of 08/22/86	14,618
D.	Unobligated Balance Remaining	35,460
E.	Estimate of Total Expenditures to Date for all Mitigation Contracts	438,239

### 3. FINANCIAL SITUATION:

A.	Total Project Ceiling Authorized	\$ 671,000
B.	Total Funds (Extramural) Authorized for Mitigation Contracts	533,181
C.	Expenditures for Mitigation Contracts	
1.a.	Amount Obligated to O.H. Materials for Bottled Water DCN #467	5,000
1.b.	Estimated Expenditures for DCN #467	1,573
1.c.	Balance Remaining for DCN #467	3,427
2.a	Amount Obligated to Suffolk County Water Authority DCN #KCS-514	244,045
2.b	Estimated Expenditures for DCN #KCS-514	221,637
2.c	Balance Remaining for DCN #KCS-514	22,408
3.a	Amount Obligated to Town of Southampton DCN #345	226,869
3.b	Estimated Expenditures for DCN #345	194,572
3.c	Balance Remaining for DCN #345	32,297
D.	Unobligated Balance Remaining	35,460
E.	Estimate of Total Expenditures to Date for all Mitigation Contracts	417,782
F.	Other Extramural Costs	
1.a.	TAT Special Project Expenditures	2,275
1.b.	TAT, Other Expenses (Salary/Travel)	65,779
2.	Total, Other Extramural Costs	68,054



F. Other Extramural Costs

1. TAT, Other Expenses  
(Salary/Travel) \$ 94,415  
As of 7/25/86

2. Total, Other Extramural Costs 14,415  
As of 7/25/86

G. Intramural Removal Costs Reported by  
Computer Accounting

1. Travel 10,000

2. Salaries as of 7/25/86 30,100

3. Total Intramural Costs 40,100  
for Removal as of 7/25/86

H. Total Expenditures and Percentage  
of \$1,000,000 \$ 572,754  
(57.3%1M)

I. Percentage of Ceiling 85%

4. FUTURE PLANS AND RECOMMENDATIONS:

A. Awaiting final billing from Town of Southampton.

B. OSC Report will be prepared.

FINAL POLREP \_\_\_\_\_ FURTHER  
POLREPS  
FORTHCOMING X SUBMITTED BY: W. Gad Tawadros  
(TAT) W. Gad Tawadros, OSC  
Response and Prevention  
Branch

Date Released 9-22-86

APPENDIX H  
COMMUNITY RELATIONS PLAN (CRP)

OSC REPORT  
JAGGER LANE  
WESTHAMPTON, NY

I. BACKGROUND AND KEY ISSUES:

A. Site Setting/Description:

The area of groundwater contamination includes portions of Jagger Lane (between Montauk Highway and South Country Road), Windwood Court, and Montauk Highway (near Jagger Lane) in the Village of West Hampton, located in the Township of Southampton, Suffolk County, New York (see Figure 1). The area is suburban residential, with some commercial facilities located along Montauk Highway.

Sampling of approximately 30 private wells, at the tap, conducted during 1981, 1982, and 1983 by Suffolk County Department of Health Services (SCDHS) identified 14 private wells contaminated by toxic organic compounds. In January 1985, a well installed at a newly constructed residence was also sampled by SCDHS and found to be contaminated. Analytical work was completed by the SCDHS' Laboratory which is certified by the NYSDOH. Table 1 presents a summary of the maximum concentrations of the 6 major volatile organic compounds reported in the residential wells. Figure 2 shows the locations of the contaminated residential wells.

At the present time, SCDHS is completing a site investigation which will include resampling approximately 25 private wells and installing and sampling groundwater monitoring wells at the affected area. The intent of this investigation is to define the extent of groundwater contamination and possibly locate the source(s) which are believed to be located north of the contamination area. Analytical results from this latest sampling effort are expected by April 1, 1985. Figure 3 summarizes the present status of the residential sampling efforts.

B. Quantity and Types of Substances Present:

Six major volatile organics have been identified in the affected wellwater. These are:

<u>Contaminant</u>	<u>Maximum Concentration Found (ppb)</u>
1,2-Dichloropropane	550
Trichloroethylene	3,300
Tetrachloroethylene	180
1,2-Dichloroethane	43
Trichloroethane	35
Cis-dichloroethylene	59

TABLE 1

Summary Of Maximum Reported Contaminant Concentration  
At Jagger Lane - West Hampton Site and Drinking Water Quality Standards<sup>1</sup>

Volatile Organic Contaminant (SYNONYM)	Maximum Reported Concentration <sup>2</sup>	EPA SNARLS <sup>3</sup>			Proposed Water Quality Criteria <sup>4</sup>		NYSDOH Guideline <sup>5</sup>	NYS DWR Groundwater Standard <sup>6</sup>
		1 Day	10 Day	Chron	Cancer Risk	Tox.		
1,2-Dichloroethane (Ethylene Chloride)	43	N/A <sup>7</sup>	N/A	N/A	0.94	N/A	50	N/A
1,1,1-Trichloroethane (Methyl Chloroform)	35	N/A	N/A	1000	N/A	18,400	50	N/A
1,1,2-Trichloroethy- lene	3,300	2,000	200	75	2.7	N/A	50	10
Tetrachloroethylene (Perchloroethylene)	180	2,300	175	20	.8	N/A	50	N/A
cis-Dichloroethylene (1,2-Dichloroethylene)	59	4,000	400	N/A	N/A	N/A	50	N/A
1,1-Dichloropropane	550	N/A	N/A	N/A	N/A	200	50	N/A

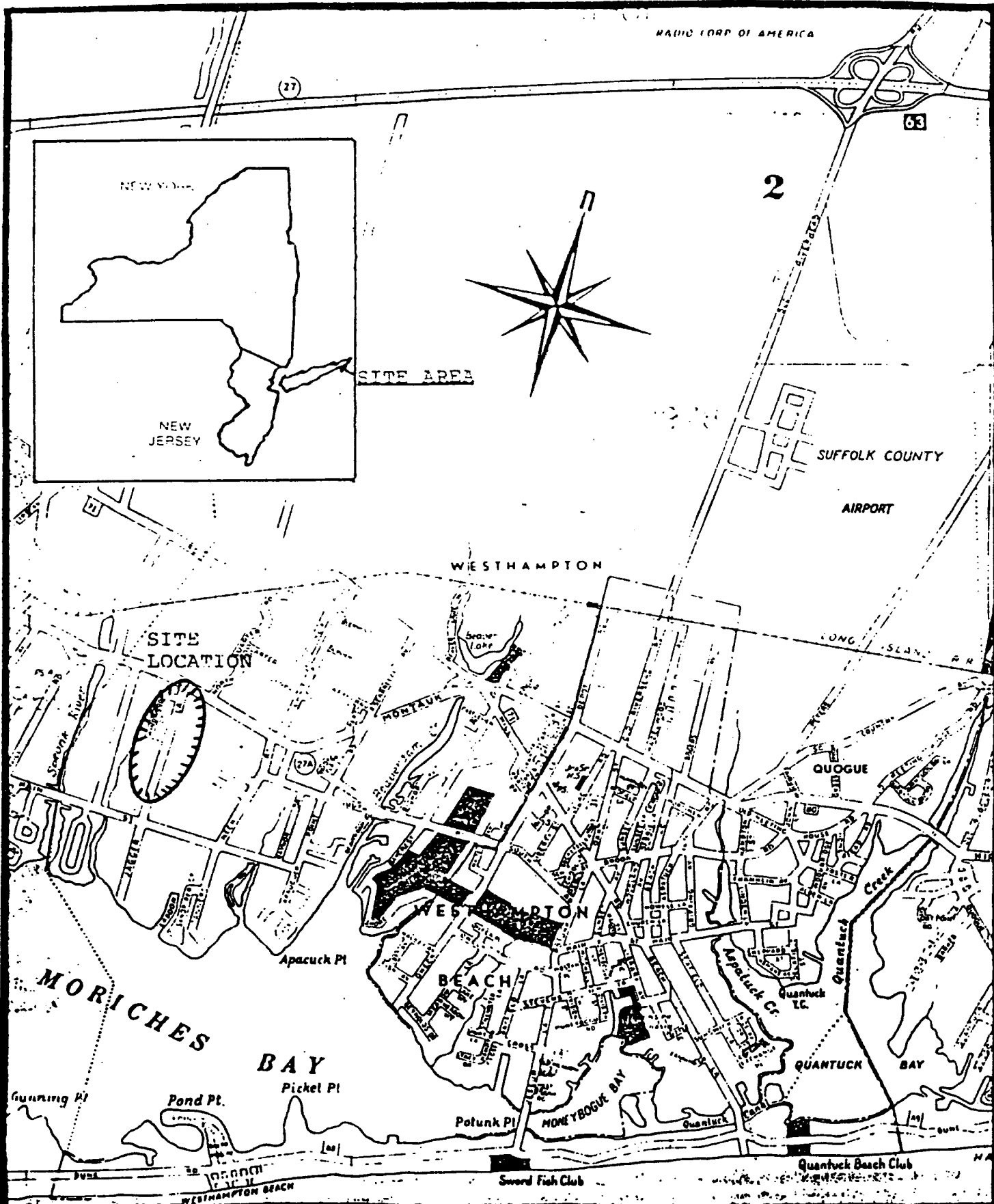
<sup>1</sup> All values (concentrations) are in pph.

<sup>2</sup> Based upon results of residential well sampling conducted by Suffolk County Department of Health Services.

<sup>3</sup> Suggested No Adverse Response Levels (SNARLS) developed by the EPA's Office of Drinking Water based on exposure to a 10 Kg child.

<sup>4</sup> Proposed Water Quality Criteria from EPA's Office of Water Planning and Standards, Division of Criteria and Standards. Both cancer risk and adverse non-cancerous health effects (TOX) values assume consumption of fish as contributing to uptake of a chemical. Presented are criteria which if level are maintained below will result in (a) less than 1 extra cancer per one million exposed population or (b) no adverse non-cancerous health effects.

- 5 New York State Department Of Health (NYSDOH) Guideline  
for determining water unfit for drinking, or cooking.  
NYSDOH Guidelines for any single organic contaminants uses  
50 ppb as a value not to be exceeded.
- 6 New York State Division of Water Resources (NYSDWR)  
standard for groundwater to be used for drinking.
- 7 NA=Not Available.



**WESTON**

SPILL PREVENTION &  
EMERGENCY RESPONSE DIVISION

In association with

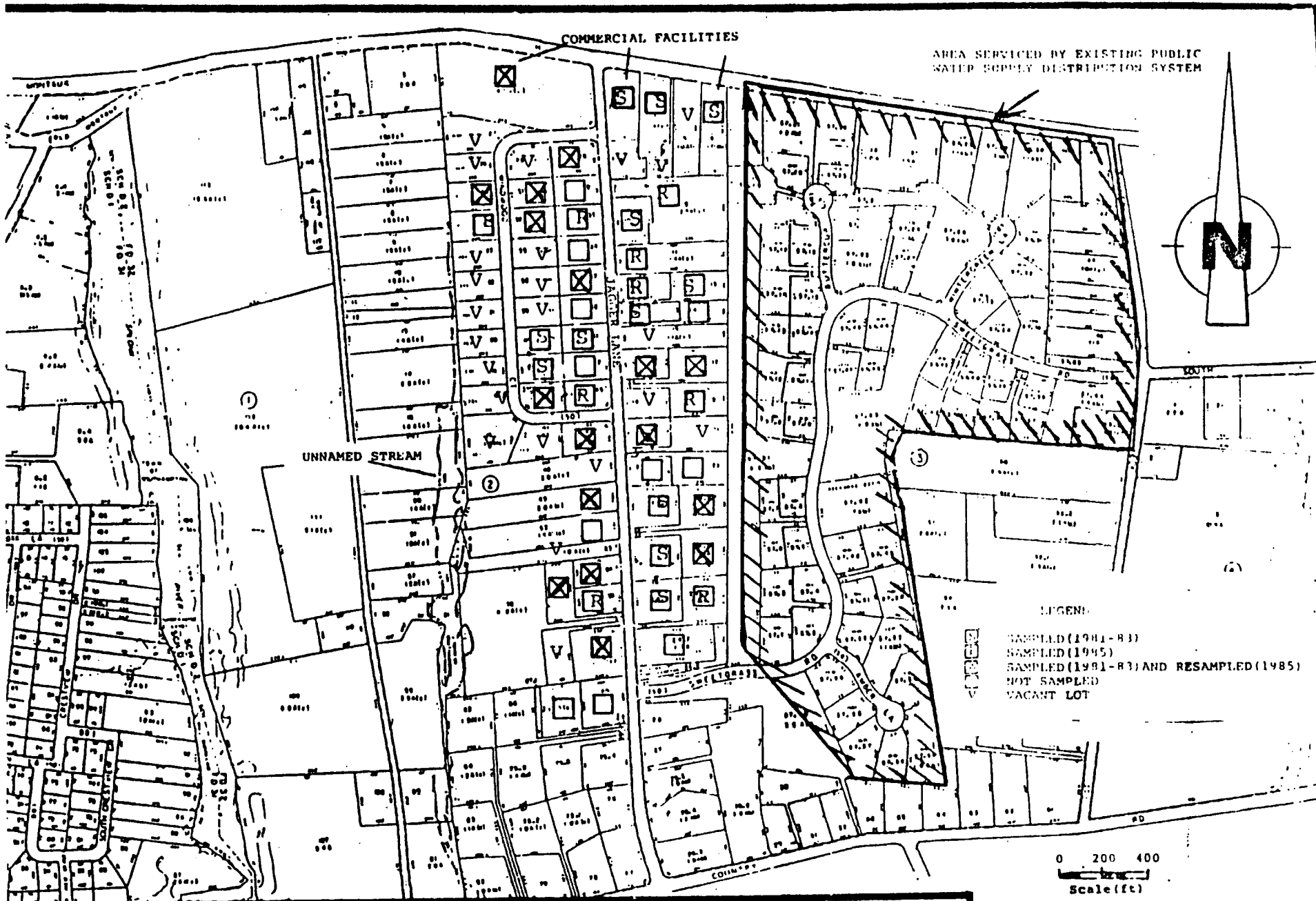
EPA PM  
W. Gad Tawadros

Figure 1

TAT PM  
N. De Maren

Scale 1:10,000





**WESTON**

SPILL PREVENTION &  
EMERGENCY RESPONSE DIVISION

In association with  
W. F. Inc., Jacobs Engineering, Inc., & Tetra Tech, Inc.

EPA PM

W. Gad Tawadros

TAT PM

N. DeRose

Figure 3

SITE PLAN AND SUMMARY  
OF SCDS RESIDENTIAL  
WELL SAMPLING STATUS

MAP SOURCE: County of Suffolk,  
Town of Southampton, Section  
No. 369, Property Map.



Concentrations of total volatile organics in samples of contaminated wellwater ranged from a low of 4 ppb to a high of 3,558 ppb and averaged about 465 ppb. Figure 2 also presents a summary of concentrations of total volatile organics according to residence location. Table 1 presents a listing of the 6 major compounds and a summary of selected water quality standards for each compound. Table 2 summarizes the toxic properties associated with each of these compounds.

C. This site is not on the National Priorities List (NPL).

## II. THREAT:

### A. Threat of Public Exposure:

This is a case of actual contamination at the tap for 15 private residences plus the threat of such exposure for additional nearby residences. Additional data is needed to determine the number of additional residences threatened. Contaminants are present within the plume at levels in excess of the EPA 10-Day SNARL.<sup>1</sup> These levels occur in 6 residential wells.

In addition to the potential for exposure through drinking the water or eating food prepared with the water, tests have been conducted at Pomona Oaks, New Jersey which showed that when showering with water contaminated with volatile organics the levels of the contaminants in the air becomes significantly elevated to unhealthy levels.

The presence of several chlorinated hydrocarbon chemicals within the groundwater also poses a potential for synergistic toxic effects resulting from exposure to a combination of these compounds.

### B. Evidence of Extent of Release:

Sampling and analyses by SCDHS has identified a plume of contaminated groundwater containing contaminants as described in II-B, above. The dimensions of the plume have not yet been determined. However, as described in II-A, above the SCDHS is presently conducting an investigation program to define the extent and locate the source(s) of the contamination.

<sup>1</sup>EPA 10-Day SNARL: Suggested No Adverse Response Level, developed by the EPA's Office of Drinking Water based upon exposure for a period of 10 days to a 10 kg child.

Table 2

Summary Of Toxicological Characteristics Of  
Six Volatile Organic Contaminants At The Jagger  
Lane - West Hampton Site, New York

Contaminant	Maximum Reported Concentration	Toxic Properties <sup>1</sup>
1,1,1-Trichloro- ethane	0.035 ppm	Skin absorption presents a limited health hazard. May cause irritation or burning of skin as a result of prolonged or frequent exposure. May cause cardiac arrest when massively inhaled. Fatty degeneration of liver has occurred after chronic exposures to 1000 ppm.
1,2-Dichloro- ethane	0.043 ppm	Moderately toxic when inhaled or by absorption. Mild skin irritant.
1,1,2-Trichloro- ethylene	3.3 ppm	Highly toxic when inhaled at high concentrations. Moderately toxic by other routes. Chronic inhalation or skin absorption are only slightly hazardous. Potentially carcinogenic and mutagenic.
Tetrachloro- ethylene	.18 ppm	Highly toxic by ingestion at high levels. Moderately toxic by other routes at high levels. Moderately toxic from chronic exposure by all routes. Potentially carcinogenic and mutagenic.
Cis-Dichloro- ethylene	.059 ppm	At acute levels, moderately toxic via inhalation, ingestion, or skin contact. Chronic or repeated exposures are hazardous. May release explosive chloroacetylene by contact with copper or copper alloys. A mutagenic agent in animals.
1,1-Dichloro- propane	.55 ppm	Moderately toxic by ingestion, inhalation and skin absorption.

<sup>1</sup>Based upon information obtained from the "Chemical Information System" data base as provided by CIS, Inc.

C. Previous Actions to Abate Threat:

SCDHS has advised residents with contaminated wellwater not to use it for drinking or cooking and to limit its use for bathing to short tepid showers, pending resolution of the contamination problem. It has been reported by SCDHS that these residents are obtaining bottled water for drinking and cooking. In addition, a number of the affected residents have deepened their wells in attempts to obtain uncontaminated potable water. SCDHS reports that a number of these attempts have again encountered contaminated water after deepening the wells. Specific records of this data have not yet been obtained.

D. Current Actions to Abate Threat:

With the exception of the action recommended herein, no current mitigative effort is known to be underway or planned.

III. PROPOSED PROJECT:

A. Objective of the Project:

The primary objective of the proposed action is mitigation of the threat to public health by provision of alternate potable water supplies to the affected homes.

B. Objectives of the Community Relations Plan:

The plan is designed to:

- (1) Make available accurate, understandable information to interested local citizens, elected officials, and the media.
- (2) Integrate the local government, state, and federal response.
- (3) Assist public acceptance of the chosen response action.
- (4) Enlist the assistance of local officials, as needed.

The information and groups for whom the plan is aimed are: local citizens, citizen groups, school principals, local businessess, elected officials, local, state and federal agencies working in association with Region II EPA.

The information will be supplied by EPA's Office of External Programs, with the cognizance of the Office of the Regional Administrator.

C. Community Relations Activities:

<u>Date(s)</u>	<u>Activities</u>	<u>Objective</u>	<u>Staff</u>	<u>Work Hours</u>
Upon authori- zation and as needed	1. Contact State and local officials	To dicuss community relations needs	OSC OEP TAT*	24 24 24
	2. Press release	To brief local com- munity and press. Pro- vide com- munity with information on the pro- gress of the removal action	OSC OEP Rep	4 4
	3. Fact sheet	To provide information for affected/ interested public on activity at key decision points	OSC OEP Rep	4 4
	4. Briefings	To inform State and local offi- cials about on-going de- velopments at the site	OSC OEP Rep	4 4

\*TAT stands for the U.S. EPA authorized contractor, Technical Assistance Team, Roy F. Weston, Inc.

<u>Date(s)</u>	<u>Activities</u>	<u>Objective</u>	<u>Staff</u>	<u>Work Hours</u>
	5. Public meetings	To discuss the need for response and to review key decision points, explain the cleanup method and respond to concerned citizens	OSC OEP Rep	4 4
	6. Site tours	Local elected officials, local and State government officials	OSC	8

D. Community Relations Action to Date:

The EPA has contacted the New York State Department of Environmental Conservation, and the Suffolk County Department of Health Services to collect data from available files and discuss the area of contamination.

E. List of Key Officials and Contacts:

<u>Federal Agencies</u>	<u>Telephone</u>
EPA Response and Prevention Branch	
-W. Gad Tawadros, OSC	(201) 321-6648
EPA Office of External Programs	
-Jim Marshall	(212) 264-4913
-Rich Cahill	(212) 264-8504
-Herman Phillips	(212) 264-1044
-Lillian Johnson	(212) 264-4534

Federal Officials

Senator Alphonse D'Amato	(202) 224-6542
Senator Daniel P. Moynihan	(202) 224-4451
Congressman William Carney	(202) 225-3826

New York State Agencies

Telephone

NYS Department of Environmental Conservation	
-Robert W. Schneck, P.E.	(516) 751-7900
NYS Department of Health	
-Dr. David Axelrod, Commissioner	(518) 474-7354
NY State Police	(516) 277-6190

New York State Officials

Senator Kenneth P. LaValle	(516) 737-0140
Assemblyman John L. Behan	(516) 668-5656

Suffolk County Agencies

County Manager	
-Peter Cohalan	(516) 360-4000
Health Commissioner	
-David Harris, M.D., M.P.H.	(516) 348-2782
Health Department Director	
-Aldo A. Andreoli	(516) 348-2783
Council on Environmental Quality	(516) 360-5205

Southampton Township

Town Supervisor	
-Martin Lang	(516) 283-6000 Ext. 206
Councilwoman	
-Patricia Newman	(516) 283-6000 Ext. 220
Fire Department	(516) 283-6070
Environmental Board	(516) 283-6000

West Hampton Beach Village

Mayor Robert W. Morgan, Jr.	(516) 288-1654
Police and Fire Department	(516) 288-1255

Area Newspapers

Newsday	(516) 454-2710
Traveler Watchsman	(516) 727-1992
Hampton Chronicle - News	(516) 288-1100
Southampton Press	(516) 283-4100

APPENDIX I  
RELEASE AGREEMENT

OSC REPORT  
JAGGER LANE  
WESTHAMPTON, NY

Release Form CONLAN

RELEASE

Release executed on 7-16, 1986 by VINCENT CONLAN (herein referred to as "Releasor") of Montauk Highway, Westhampton, New York 11977 owner of real property located at 900 section 354, block 2, lot 44, Town of Southampton, County of Suffolk, State of New York (herein referred to as the "Property"), to the UNITED STATES and the UNITED STATES ENVIRONMENTAL PROTECTION AGENCY (herein collectively referred to as "Releasee"), with offices at 26 Federal Plaza, New York, New York 10278.

A. The United States Environmental Protection Agency will improve the Property through the installation of water service to the residence located on the Property.

B. Releasor, as owner of the Property, acknowledges that he and the Property will be materially, substantially and significantly benefitted by such improvement.

In consideration of the benefit to the Property of Releasor arising out of such improvement, Releasor releases and discharges Releasee and Releasee's employees, agents, contractors and assigns, from any and all claims, demands, and causes of action at law and in equity that may arise as a result of such improvement. This release shall inure to the benefit of Releasee and shall bind Releasor and all his heirs, legal representatives, assigns, and successors in interest to the Property.

Releasor understands and agrees that the benefit to Releasor's property by such improvement shall be in full compensation for any damage that may arise as a result of installation of domestic water service. Releasor warrants and agrees that he has read and understood the contents hereof.

In witness whereof, releasor has caused this release to be executed at Westhampton on the 16 day of July, 1986.

Vincent J. Conlan  
Signature

State of New York

County of Suffolk

On this \_\_\_\_\_ day of \_\_\_\_\_, 1986, before me personally came Vincent Conlan to me known to be the person described in and who executed the foregoing instrument, and acknowledged that he executed the same.

\_\_\_\_\_  
Signature of Notary

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APPENDIX J  
LETTER CONTRACT WITH SCWA  
AND TOWN OF SOUTHAMPTON

OSC REPORT  
JAGGER LANE  
WESTHAMPTON, NY

US ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460



**LETTER CONTRACT FOR STATE OR  
LOCAL GOVERNMENT RESPONSE TO  
EMERGENCY HAZARDOUS SUBSTANCE RELEASE**

*5/24/85*

1. Contract Number <b>68-62-0016</b>		2. Effective Date		3. Negotiation Authority: <b>41 U.S.C. 252(c)(2)</b>	
4. Issued By Emergency & Remedial Response Division U.S. Environmental Protection Agency Region II Edison, N. J. 08837			5. Administered by Environmental Protection Agency Procurement & Contracts Management Division PM-214-F Branch A, Emergency Response/Solid Waste Section 401 M Street, SW Washington, DC 20460		
6. Contractor Name and Address Suffolk County Water Authority Sunrise Highway & Pond Road Oakdale, L.I., New York 11769			7. Paying Office Environmental Protection Agency Financial Management Division (MD-32) Attn: Contracts Financial Operations and Information Section Research Triangle Park, NC 27711		
8. Accounting and Appropriation Data <b>68/20X8145 KCS473 5TFA02KEG8</b>			9. Regional Identification <b>25:35 \$189,020.00</b>		

**10. SCHEDULE**

**ARTICLE I — EP52-210-100 STATEMENT OF WORK (APR 1984)**

~~The Contractor shall furnish the necessary personnel, materials, services and facilities (except as otherwise specified) to perform the Statement of Work included in Attachment A to this contract.~~

The contractor shall furnish the necessary personnel, materials, services, facilities, and otherwise do all things necessary for or incident to the performance of the work set forth below complete in place.

1. Provide and construct in place per standard specifications of the Suffolk County Water Authority and per project sketch No. CWB-854-C, water mains as follows:

Approximately 1,000 ft. of 12-inch main on Montauk Highway westerly from an existing main to Jagger Lane, 2,720 ft. of 12-inch main to Jagger Lane southerly from Montauk Highway to Sweet Grass Road, and 2,065 ft. of 6-inch main on Windwood Court westerly, southerly and easterly from Jagger Lane to include all appurtenances except fire hydrants and fire hydrant connections.

2. Provide taps and meters for approximately 60 locations, as identified by the On Scene Coordinator, along the route of the new water mains as detailed above.

3. Restore all public works and paving along the new pipeline route affected by the above work.

*(see Continuation of Schedule on pages 2 through 8.)*

**AWARD**

11. Name of Contractor <b>Suffolk County Water Authority</b>		14. United States of America	
By (Signature of Person Authorized to Sign) <i>[Signature]</i>		By (Signature of Contracting Officer) <i>[Signature]</i>	
12. Name and Title of Signer (Type or Print) <b>Member</b>	13. Date Signed <b>5/29/85</b>	15. Name of Contracting Officer <b>Patrick Flynn</b>	16. Date Signed <b>5/24/85</b>

## TERMS AND CONDITIONS

## ARTICLE II — 1552.210-71 MONTHLY PROGRESS REPORT — SHORT FORM (APR 1984).

The Contractor shall furnish two copies of monthly progress reports briefly stating the progress made, including the percentage of the project completed or of work ordered and completed as of the end of the reporting period. Specific discussions shall include difficulties encountered and remedial action taken during the reporting period and anticipated activity during the subsequent reporting period. The reports shall be submitted to the following addressees on or before the first day of each month following the first complete calendar month of the contract. Distribute reports as follows:

## No. of Copies

## Addressee

1

Project Officer

1

Contract Negotiator

## ARTICLE III — 52.216-23 EXECUTION AND COMMENCEMENT OF WORK (APR 1984).

The Contractor shall indicate acceptance of this letter contract by signing three copies of the contract and returning them to the Contracting Officer not later than one (1) calendar day after receipt. Upon acceptance by both parties, the Contractor shall proceed with performance of the work, including purchase of necessary materials.

## ARTICLE IV — 52.216-25 CONTRACT DEFINITIZATION (APR 1984).

(a) A cost-reimbursement term definitive contract is contemplated. The Contractor agrees to begin promptly negotiating with the Contracting Officer the terms of a definitive contract that will include (1) all clauses required by the Federal Acquisition Regulation (FAR) on the date of execution of the letter contract, (2) all clauses required by law on the date of execution of the definitive contract, and (3) any other mutually agreeable clauses, terms, and conditions. The Contractor agrees to submit a cost-reimbursement term proposal and cost or pricing data supporting its proposal.

(b) The schedule for definitizing this contract is:

Submission of Proposal

Start of Negotiations

Contract Definitization

## Target Date

20 Calendar Days After Contract Effective Date

75 Calendar Days After Contract Effective Date

180 Calendar Days After Contract Effective Date

(c) If agreement on a definitive contract to supersede this letter contract is not reached by the target date in paragraph (b) above, or within any extension of it granted by the Contracting officer, the Contracting Officer may, with the approval of the Head of the Contracting Activity, determine a reasonable price or fee in accordance with Subpart 15.8 and Part 31 of the FAR, subject to Contractor appeal as provided in the "Disputes" clause. In any event, the Contractor shall proceed with completion of the contract, subject only to the "Limitation of Government Liability" clause.

(1) After the Contracting Officer's determination of price or fee, the contract shall be governed by—

(i) All clauses required by the FAR on the date of execution of this letter contract for either fixed-price or cost-reimbursement contracts, as determined by the Contracting Officer under this paragraph (c);

(ii) All clauses required by law as of the date of the Contracting Officer's determination; and

(iii) Any other clauses, terms, and conditions mutually agreed upon.

(2) To the extent consistent with subparagraph (c)(1) above, all clauses, terms, and conditions included in this letter contract shall continue in effect, except those that by their nature apply only to a letter contract.



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ARTICLE IX — EP52.232-220 METHOD OF PAYMENT (OCT 1983) (Continued).

(1) Full name (where practicable), title, phone number, and complete mailing address of responsible official(s), (i) to whom check payments are to be sent, and (ii) who may be contacted concerning the bank account information requested below.

(2) The following bank account information required to accomplish wire transfers:

(i) Name, address, and telegraphic abbreviation of the receiving financial institution.

(ii) Receiving financial institution's 9-digit American Bankers Association (ABA) identifying number for routing transfer of funds. (Provide this number only if the receiving financial institution has access to the Federal Reserve Communications System.)

ARTICLE X — SUBMISSION OF CLAIMS FOR REIMBURSEMENT (APR 1984).

The Contractor shall submit one (1) copy of each voucher to the On-Scene Coordinator. The Contractor shall include the following statement on the reverse of the On-Scene Coordinator's copy of the voucher or in an attachment to the On-Scene Coordinator's copy of the voucher:

On-Scene Coordinator's Certification

I certify to the best of my knowledge and belief that the amounts for which reimbursement is claimed in this voucher are reasonable and were necessarily incurred in the performance of the related contract; that the Contractor performed the services for which reimbursement is claimed; and that all required reports have been received.

On-Scene Coordinator

(b) \*

ARTICLE XI — EP52 246-100 INSPECTION AND ACCEPTANCE (APR 1984).

(a) The Contracting Officer or the duly authorized representative will perform inspection and acceptance of materials and services to be provided.

(b) For the purposes of this clause, the On-Scene Coordinator is the authorized representative of the Contracting Officer.

(c) Inspection and acceptance will be performed at the location of the hazardous substance release.

ARTICLE XII — SERVICES CONTRACT ACT OF 1965 (APR 1984).

This letter contract and resulting definitive contract are subject to the Service Contract Act of 1965, as amended. Accordingly, each service employee employed in performance of the work set forth herein is required to be paid not less than the minimum monetary wage and to be furnished fringe benefits in accordance with the wages and fringe benefits determined by the Secretary of Labor. The applicable wage and fringe benefit determination from the Secretary of Labor is not currently available; however, such wage and fringe benefit determination will be incorporated into the contract definitizing this letter contract. When, as a result of the Secretary of Labor's determination of minimum wages and fringe benefits, the Contractor is required to increase the wages or fringe benefits of service employees working on this letter contract, the applicable contract payments to the Contractor will be retroactively adjusted to reflect any such increase in wages or fringe benefits.

\* Three (3) copies of claims for reimbursement shall be sent to the address in Block No. 7 on Page 1 and one copy shall be sent to the address in Block No. 5.



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ARTICLE V — PERIOD OF PERFORMANCE (APR 1984).

The period of performance of this contract is xxxxxxxxxx from the effective date of the contract. to 10-23-85

ARTICLE VI — 52.216-24 LIMITATION OF GOVERNMENT LIABILITY (APR 1984).

(a) In performing this contract, the Contractor is not authorized to make expenditures or incur obligations exceeding \$189,020.00 dollars.

(b) The maximum amount for which the Government shall be liable if this contract is terminated is \$189,020.00 dollars.

ARTICLE VII — ~~1552.202-20 DIRECTLY MEASURABLE LEVEL OF EFFORT~~ ~~COST REIMBURSEMENT TERM CONTRACT~~  
~~APR 1984~~ THIS IS A COST REIMBURSEMENT (COMPLETION) CONTRACT.

(a) The Contractor shall perform all work and provide all required reports within the level of effort specified below. The Government's best estimate of the level of effort required to fulfill these requirements is direct labor hours.

(b) Direct labor includes personnel such as engineers, scientists, drafters, technicians, statisticians, and programmers and not support personnel such as company management, typists, and keypunch operators even though such support personnel are normally treated as direct labor by the Contractor. The level of effort specified in paragraph (a) includes Contractor, subcontractor, and consultant labor hours.

(c) If the Contractor provides less than 90 percent of the level of effort specified for the base period or any optional period ordered, an equitable downward adjustment of the fixed fee, if any, for that period will be made. The Government may require the Contractor to provide additional effort up to 110 percent of the level of effort for any period until the estimated cost for that period has been reached. However, this additional effort shall not result in any increase in the fixed fee, if any. If this is a cost-plus-incentive-fee (CPIF) contract, the term "fee" in this paragraph means "base fee and incentive fee." If this is a cost-plus-award-fee (CPAF) contract, the term "fee" in this paragraph means "base fee and award fee."

(d) If the level of effort specified to be ordered during a given base or option period is not ordered during that period, that level of effort may not be accumulated and ordered during a subsequent period.

(e) These terms and conditions do not supersede the requirements of either the "Limitation of Cost" or "Limitation of Funds" clauses.

ARTICLE VIII — EP52.232-210 INTEREST ON OVERDUE PAYMENTS (OCT 1982).

(a) The Prompt Payment Act, Public Law 97-177 (96 Stat. 85, 31 U.S.C. 1801) is applicable to payments under this contract and requires the payment to Contractors of interest on overdue payments and improperly taken discounts.

(b) Determinations of interest due will be made in accordance with the provisions of the Prompt Payment Act and Office of Management and Budget Circular A-125.

ARTICLE IX — EP52.232-220 METHOD OF PAYMENT (OCT 1983).

(a) Payments under this contract will be made either by check or by wire transfer through the Treasury Financial Communications System at the option of the Government.

(b) The Contractor shall forward the following information in writing to the paying office not later than 7 days after receipt of notice of award.

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ARTICLE XIII — 52.222-42 STATEMENT OF EQUIVALENT FEDERAL WAGE RATES (APR 1984).

In compliance with the Service Contract Act of 1965, as amended, and the regulations of the Secretary of Labor (29 CFR Part 4), this clause identifies the classes of service employees expected to be employed under the contract and states the wages and fringe benefits payable to each if they were employed by the contracting agency subject to the provisions of 5 U.S.C. 5341 or 5332.

**THIS CLAUSE IS FOR INFORMATION ONLY: IT IS NOT A WAGE DETERMINATION**

*The information in this clause will be provided in the definitized contract.*

Hourly Compensation			
Employee Class	Wages	Fringe Benefits	Total
[To be included in definitive contract.]			

ARTICLE XIV — 52.243-7 NOTIFICATION OF CHANGES (APR 1984).

(a) *Definitions.* "Contracting Officer," as used in this clause, does not include any representative of the Contracting Officer. "Specifically authorized representative (SAR)," as used in this clause, means any person the Contracting Officer has so designated by written notice (*a copy of which shall be provided to the Contractor*) which shall refer to this subparagraph and shall be issued to the designated representative before the SAR exercises such authority.

(b) *Notice.* The primary purpose of this clause is to obtain prompt reporting of Government conduct that the Contractor considers to constitute a change to this contract. Except for changes identified as such in writing and signed by the Contracting Officer, the Contractor shall notify the Administrative Contracting Officer in writing promptly within 10 calendar days from the date that the Contractor identifies any Government conduct (*including actions, inactions, and written or oral communications*) that the Contractor regards as a change to the contract terms and conditions. On the basis of the most accurate information available to the Contractor, the notice shall state—

- (1) The date, nature, and circumstances of the conduct regarded as a change;
- (2) The name, function, and activity of each Government individual and Contractor official or employee involved in or knowledgeable about such conduct;
- (3) The identification of any documents and the substance of any oral communication involved in such conduct;
- (4) In the instance of alleged acceleration of scheduled performance or delivery, the basis upon which it arose;
- (5) The particular elements of contract performance for which the Contractor may seek an equitable adjustment under this clause, including—
  - (i) What contract line items have been or may be affected by the alleged change;
  - (ii) What labor or materials or both have been or may be added, deleted, or wasted by the alleged change;
  - (iii) To the extent practicable, what delay and disruption in the manner and sequence of performance and effect on continued performance have been or may be caused by the alleged change;
  - (iv) What adjustments to contract cost, delivery schedule, and other provisions affected by the alleged change are estimated; and

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(6) The Contractor's estimate of the time by which the Government must respond to the Contractor's notice to minimize cost, delay or disruption of performance.

(c) *Continued performance.* Following submission of the notice required by (b) above, the Contractor shall diligently continue performance of this contract to the maximum extent possible in accordance with its terms and conditions as construed by the Contractor, unless the notice reports a direction of the Contracting Officer or a communication from a SAR of the Contracting Officer, in either of which events the Contractor shall continue performance; provided, however, that if the Contractor regards the direction or communication as a change as described in (b) above, notice shall be given in the manner provided. All directions, communications, interpretations, orders and similar actions of the SAR shall be reduced to writing promptly and copies furnished to the Contractor and to the Contracting Officer. The Contracting Officer shall promptly countermand any action which exceeds the authority of the SAR.

(d) *Government response.* The Contracting Officer shall promptly, within 30 calendar days after receipt of notice, respond to the notice in writing. In responding, the Contracting officer shall either—

(1) Confirm that the conduct of which the Contractor gave notice constitutes a change and when necessary direct the mode of further performance;

(2) Countermand any communication regarded as a change;

(3) Deny that the conduct of which the Contractor gave notice constitutes a change and when necessary, direct the mode of further performance; or

(4) In the event the Contractor's notice information is inadequate to make a decision under (1), (2), or (3) above, advise the Contractor what additional information is required, and establish the date by which it should be furnished and the date thereafter by which the Government will respond.

(e) *Equitable adjustments.* (1) If the Contracting Officer confirms that Government conduct effected a change as alleged by the Contractor, and the conduct causes an increase or decrease in the Contractor's cost of, or the time required for, performance of any part of the work under this contract, whether changed or not changed by such conduct, an equitable adjustment shall be made—

(i) In the contract cost or delivery schedule or both; and

(ii) In such other provisions of the contract as may be affected.

(2) The contract shall be modified in writing accordingly. In the case of drawings, designs, or specifications which are defective and for which the Government is responsible, the equitable adjustment shall include the cost and time extension for delay reasonably incurred by the Contractor in attempting to comply with the defective drawings, designs, or specifications before the Contractor identified, or reasonably should have identified, such defect. When the cost of property made obsolete or excess as a result of a change confirmed by the Contracting Officer under this clause is included in the equitable adjustment, the Contracting Officer shall have the right to prescribe the manner of disposition of the property. The equitable adjustment shall not include increased costs or time extensions for delay resulting from the Contractor's failure to provide notice or to continue performance as provided, respectively, in (b) and (c) above.

ARTICLE XV — 52.222-2 PAYMENT FOR OVERTIME PREMIUMS (APR 1984).

(a) The use of overtime is authorized under this contract if the overtime premium cost does not exceed (to be negotiated.) In addition to this dollar ceiling, overtime is permitted only for work—

(1) Necessary to cope with emergencies such as those resulting from accidents, natural disasters, breakdowns of production equipment, or occasional production bottlenecks of a sporadic nature;

(2) By indirect-labor employees such as those performing duties in connection with administration, protection, transportation, maintenance, standby plant protection, operation of utilities, or accounting;



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(3) To perform tests, industrial processes, laboratory procedures, loading or unloading of transportation conveyances, and operations in flight or afloat that are continuous in nature and cannot reasonably be interrupted or completed otherwise; or

(4) That will result in lower overall costs to the Government.

(b) Any request for estimated overtime premiums that exceeds the amount specified above shall include all estimated overtime for contract completion and shall—

(1) Identify the work unit; e.g., department or section in which the requested overtime will be used, together with present workload, staffing, and other data of the affected unit sufficient to permit the Contracting Officer to evaluate the necessity for the overtime;

(2) Demonstrate the effect that denial of the request will have on the contract delivery or performance schedule;

(3) Identify the extent to which approval of overtime would affect the performance or payments in connection with other Government contracts, together with identification of each affected contract; and

(4) Provide reasons why the required work cannot be performed by using multishift operations or by employing additional personnel.

ARTICLE XVI — REPORT OF DAILY SERVICES (APR 1984).

The Contractor shall submit to the on-Scene Coordinator a daily report which identifies all charges for which the Federal Government will be billed as a result of that day's service. Daily reports shall be in accordance with a format to be provided by the On-Scene Coordinator and shall include an itemization of the labor hours incurred for each employee, material charges, subcontract costs, and travel costs.

ARTICLE XVII — COST-SHARING (APR 1984).

If this contract requires the State to respond to a release or threat of a release of a hazardous substance at a facility that was owned at the time of any disposal of hazardous substances therein by the State or a political subdivision thereof, the State shall pay 50 percent of the costs for performance of the contract. Such cost-sharing shall be effected as follows: Public vouchers submitted in accordance with the provisions of this contract shall show the total cost incurred for the period for which the voucher is submitted, the cumulative total of costs incurred through the billing period, and the percent (50%) of costs to be reimbursed by the Government.

ARTICLE XVIII — EP52.216-180 ESTIMATED COST (APR 1984)

The Estimated cost of this contract is \$ 189,020.00XXXXXXXXXXXX. There is no fixed fee.

ARTICLE XIX — 52.252-2 CLAUSES INCORPORATED BY REFERENCE (APR 1984).

This contract incorporates the following clauses by reference, with the same force and effect as if they were given in full text. Upon request, the Contracting Officer will make their full text available.

I. FEDERAL ACQUISITION REGULATION (48 CFR CHAPTER 1) CLAUSES

FAR Number	Title
52.202-1	Definitions (APR 1984).
52.203-1	Officials Not To Benefit (APR 1984).
52.203-3	Gratuities (APR 1984).
52.203-5	Covenant Against Contingent Fees (APR 1984).
52.212-13	Stop-Work Order (APR 1984).
	The "90-day" period stated in the clause is reduced to 14 days.

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FAR Number

Title

52.212-13	Stop-Work Order (APR 1984). ALTERNATE I (APR 1984).
52.215-1	Examination of Records by Comptroller General (APR 1984).
52.215-2	Audit—Negotiation (APR 1984).
52.215-22	Price Reduction for Defective Cost or Pricing Data (APR 1984).
52.215-24	Subcontractor Cost or Pricing Data (APR 1984).
52.216-7	Allowable Cost and Payment (APR 1984).
52.216-12	Cost-Sharing Contract — No Fee (APR 1984).
52.216-26	Payment of Allowable Cost Before Definitization (APR 1984).
52.219-8	Utilization of Small Business Concerns and Small Disadvantaged Business Concerns (APR 1984).
52.219-13	Utilization of Women-Owned Small Businesses (APR 1984).
52.220-3	Utilization of Labor Surplus Area Concerns (APR 1984).
52.222-1	Notice to the Government of Labor Disputes (APR 1984).
52.222-3	Convict Labor (APR 1984).
52.222-4	Contract Work Hours and Safety Standards Act—Overtime Compensation—General (APR 1984).
52.222-26	Equal Opportunity (APR 1984).
52.222-35	Affirmative Action for Special Disabled and Vietnam Era Veterans (APR 1984).
52.222-36	Affirmative Action for Handicapped Workers (APR 1984).
52.222-41	Service Contract Act of 1965 (APR 1984).
52.223-2	Clean Air and Water Act (APR 1984).
52.223-3	Hazardous Material Identification and Material Safety Data (APR 1984).
52.232-20	Limitation of Costs (APR 1984).
52.232-23	Assignment of Claims (APR 1984).
52.233-1	Disputes (APR 1984).
52.237-3	Continuity of Services (APR 1984).
52.242-1	Notice of Intent To Disallow Costs (APR 1984).
52.243-2	Changes (APR 1984).
52.243-2	Changes (APR 1984. ALTERNATE I (APR 1984).
52.244-2	Subcontracts Under Cost-Reimbursement and Letter Contracts (APR 1984).
52.244-5	Competition in Subcontracting (APR 1984).
52.245-5	Government Property (Cost-Reimbursement, Time and Materials, or Labor Hour Contracts) (APR 1984).
52.246-5	Inspection of Services—Cost-Reimbursement (APR 1984).
52.246-25	Limitation of Liability—Services (APR 1984).
52.249-6	Termination (Cost-Reimbursement) ALTERNATE II (APR 1984).
52.249-14	Excusable Delays (APR 1984).
52.236-18, 52.236-19, 52.236-20	

II. ENVIRONMENTAL PROTECTION AGENCY ACQUISITION REGULATION (48 CFR CHAPTER 15)  
CLAUSES

EPAAR Number

Title

1552.209-71	Organizational Conflicts of Interest (APR 1984).
1552.228-73	Insurance—Liability to Third Persons—State or Local Governments (Emergency) (APR 1984).
1552.232-70	Application of Prompt Payment Act—Contracts with Advanced, Progress, or Provisional Payments (APR 1984).
1552.237-74	Publicity (APR 1984).
1552.245-72	Fabrication or Acquisition of Nonexpendable Property (APR 1984).

EPA Form 1900-56 (4-84)

## AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

## 1. CONTRACT ID CODE

2. AMENDMENT/MODIFICATION NO.  
ONE (1)3. EFFECTIVE DATE  
8/20/854. REQUISITION/PURCHASE REQ. NO.  
WA95-H502

5. PROJECT NO. (If applicable)

6. ISSUED BY  
Code:  
Environmental Protection Agency  
BID/PROPOSAL ROOM (PM214F)  
401 M St. SW  
Washington, DC 204607. ADMINISTERED BY (If other than Item 6)  
Code:

Not Applicable

8. NAME AND ADDRESS OF CONTRACTOR (No.,  
Street, County, State and Zip Code)  
Suffolk County Water Authority  
Attn: H.C. Koehler  
Sunrise Highway & Pond Road  
Oakdale, L.I., New York 11769

9A. AMENDMENT OF SOLICITATION NO

9B. DATED (See Item 11)

10A. MOD. OF CONTRACT/ORDER NO.  
68-62-001610B. DATED (See Item 13)  
5/24/85

Code:

Facility:

## 11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

[ ] The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers [ ] is extended, [ ] is not extended. Offerors must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods:

(a) By completing Items 8 and 15, and returning \_\_\_\_\_ copies of the amendment;

(b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

## 12. ACCOUNTING AND APPROPRIATION DATA (If required)

C-2: 68/20X8145 KCS473 5TFA02KEG8 25.35 OBLIGATE  
~~\$43,980.00~~ 55,025.00

APPROVED BY OIRM 3/84, FAR (48 CFR 53.214(c)) EXCEPTION TO STANDARD FORM 30

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AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

[ ] A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGE SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT/ORDER NO. IN ITEM 10A.

[X] B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation data, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).

[ ] C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:

[ ] D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor [X] is not, [ ] is required to sign this document and return copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible). Install approximately 830 ft. of 12-inch water main on Jagger Lane s/f the existing 12-inch main to South Road and 582 ft. of 12-inch main on South Road to include all appurtenances except fire hydrants and fire hydrant connections; also provide taps and meters for eight (8) locations as specified See Continuation Sheet(s) by the On Scene Coordinator.

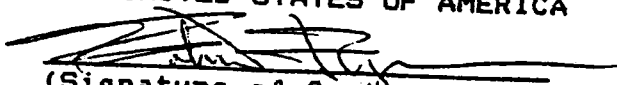
Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER  
(Type or print)

16A. NAME AND TITLE OF CONTRACTING  
OFFICER (Type or print)

Patrick Flynn  
Contracting Officer

16B. UNITED STATES OF AMERICA

  
(Signature of Contracting  
Officer)

16C. DATE SIGNED

6/22/85

15B. CONTRACTOR/OFFEROR

(Signature of person  
authorized to sign)

15C. DATE SIGNED

APPROVED BY OIRM 3/84, FAR (48 CFR 53.214(c)) EXCEPTION TO STANDARD FORM 30

Contract No: 68-62-0016 Modification No: ONE (1)

The purpose of this letter contract modification is to revise the Limitation Of Government Liability article and the Estimated Cost article.

ACCORDINGLY:

1. ARTICLE VI -- 52.216.24 LIMITATION OF GOVERNMENT LIABILITY (APR 1984) is revised to read:

(a) In performing this contract, the Contractor is not authorized to make expenditures or incur obligations exceeding \$233,000.00 dollars.

(b) The maximum amount for which the Government shall be liable if this contract is terminated is \$233,000.00 dollars.

2. ARTICLE XVIII -- EP52.216-180 ESTIMATED COST (APR 1984) is revised to read:

The Estimated cost of this contract is \$233,000.00. There is no fixed fee.

AS



US ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

**LETTER CONTRACT FOR STATE OR  
LOCAL GOVERNMENT RESPONSE TO  
EMERGENCY HAZARDOUS SUBSTANCE RELEASE**

1. Contract Number 68-62-0015		2. Effective Date		3. Negotiation Authority: <del>24 U.S.C. 1322(a)(2)</del> 41 U.S.C. 253(c)(2)	
4. Issued By Emergency and Remedial Response Division U.S. EPA, Region II Edison, New Jersey 08837			5. Administered by Environmental Protection Agency Procurement & Contracts Management Division PM-214-F Branch A, Emergency Response/Solid Waste Section 401 M Street, SW Washington, DC 20460		
6. Contractor Name and Address Town of Southampton 116 Hampton Road Southampton, NY 11968			7. Paying Office See Article X Environmental Protection Agency Financial Management Division (MD-32) Attn: Contracts Financial Operations and Information Section Research Triangle Park, NC 27711		
8. Accounting and Appropriation Data 68 20X8145 KCS475 5TFA02KEG8 \$87,000.00			9. Regional Identification None		

**10. SCHEDULE**

**ARTICLE I — EP52-210-100 STATEMENT OF WORK (APR 1984)**

The Contractor shall furnish the necessary personnel, materials, services, and facilities (*except as otherwise specified*) to perform the Statement of Work included in Attachment A to this contract.

Provide labor materials and equipment to install potable water hookups complete in place to homes in the Jagger Lane area Westhampton, N.Y., a total of about 50 locations, threatened by contaminated groundwater.

This work is to be performed in accordance with the SCWA specifications and Exhibit A. See attached map for hookup locations.

(see Continuation of Schedule on pages 2 through 8.)

**AWARD**

11. Name of Contractor Town of Southampton		14. United States of America	
By (Signature of Person Authorized to Sign) 		By (Signature of Contracting Officer) 	
12. Name and Title of Signer (Type or Print) Martin Lang, Supervisor	13. Date Signed 5-24-85	15. Name of Contracting Officer Patrick Flynn	16. Date Signed 5/24/85



LETTER CONTRACT FOR STATE OR LOCAL  
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ARTICLE II — 1552.210-71 MONTHLY PROGRESS REPORT — SHORT FORM (APR 1984).

The Contractor shall furnish two copies of monthly progress reports briefly stating the progress made, including the percentage of the project completed or of work ordered and completed as of the end of the reporting period. Specific discussions shall include difficulties encountered and remedial action taken during the reporting period and anticipated activity during the subsequent reporting period. The reports shall be submitted to the following addressees on or before the first day of each month following the first complete calendar month of the contract. Distribute reports as follows:

No. of Copies	Addressee
1	Project Officer
1	Contract Negotiator

ARTICLE III — 52.216-23 EXECUTION AND COMMENCEMENT OF WORK (APR 1984).

The Contractor shall indicate acceptance of this letter contract by signing three copies of the contract and returning them to the Contracting Officer not later than one (1) calendar day after receipt. Upon acceptance by both parties, the Contractor shall proceed with performance of the work, including purchase of necessary materials.

ARTICLE IV — 52.216-25 CONTRACT DEFINITIZATION (APR 1984).

(a) A cost-reimbursement term definitive contract is contemplated. The Contractor agrees to begin promptly negotiating with the Contracting Officer the terms of a definitive contract that will include (1) all clauses required by the Federal Acquisition Regulation (FAR) on the date of execution of the letter contract, (2) all clauses required by law on the date of execution of the definitive contract, and (3) any other mutually agreeable clauses, terms, and conditions. The Contractor agrees to submit a cost-reimbursement term proposal and cost or pricing data supporting its proposal.

(b) The schedule for definitizing this contract is:

	Target Date
Submission of Proposal	20 Calendar Days After Contract Effective Date
Start of Negotiations	75 Calendar Days After Contract Effective Date
Contract Definitization	180 Calendar Days After Contract Effective Date

(c) If agreement on a definitive contract to supersede this letter contract is not reached by the target date in paragraph (b) above, or within any extension of it granted by the Contracting officer, the Contracting Officer may, with the approval of the Head of the Contracting Activity, determine a reasonable price or fee in accordance with Subpart 15.8 and Part 31 of the FAR, subject to Contractor appeal as provided in the "Disputes" clause. In any event, the Contractor shall proceed with completion of the contract, subject only to the "Limitation of Government Liability" clause.

(1) After the Contracting Officer's determination of price or fee, the contract shall be governed by—

(i) All clauses required by the FAR on the date of execution of this letter contract for either fixed-price or cost-reimbursement contracts, as determined by the Contracting Officer under this paragraph (c);

(ii) All clauses required by law as of the date of the Contracting Officer's determination; and

(iii) Any other clauses, terms, and conditions mutually agreed upon.

(2) To the extent consistent with subparagraph (c)(1) above, all clauses, terms, and conditions included in this letter contract shall continue in effect, except those that by their nature apply only to a letter contract.

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LETTER CONTRACT FOR STATE OR LOCAL  
GOVERNMENT RESPONSE TO EMERGENCY  
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CONTRACT NUMBER

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ARTICLE V — PERIOD OF PERFORMANCE (APR 1984).

The period of performance of this contract is \_\_\_\_\_ from the effective date of the contract.

ARTICLE VI — 52.216-24 LIMITATION OF GOVERNMENT LIABILITY (APR 1984).

(a) In performing this contract, the Contractor is not authorized to make expenditures or incur obligations exceeding \$87,000.00 dollars.

(b) The maximum amount for which the Government shall be liable if this contract is terminated is \$87,000.00 dollars.

ARTICLE VII — ~~52.212-70 LEVEL OF EFFORT~~ ~~COST REIMBURSEMENT TERM CONTRACT~~  
(APR 1984).

~~This is a cost reimbursement (completion) contract.~~

~~(a) The Contractor shall perform all work and provide all required reports within the level of effort specified below. The Government's best estimate of the level of effort required to fulfill these requirements is \_\_\_\_\_ direct labor hours.~~

~~(b) Direct labor includes personnel such as engineers, scientists, drafters, technicians, statisticians, and programmers and not support personnel such as company management, typists, and keypunch operators even though such support personnel are normally treated as direct labor by the Contractor. The level of effort specified in paragraph (a) includes Contractor, subcontractor, and consultant labor hours.~~

~~(c) If the Contractor provides less than 90 percent of the level of effort specified for the base period or any optional period ordered, an equitable downward adjustment of the fixed fee, if any, for that period will be made. The Government may require the Contractor to provide additional effort up to 110 percent of the level of effort for any period until the estimated cost for that period has been reached. However, this additional effort shall not result in any increase in the fixed fee, if any. If this is a cost-plus-incentive-fee (CPIF) contract, the term "fee" in this paragraph means "base fee and incentive fee." If this is a cost-plus-award-fee (CPAF) contract, the term "fee" in this paragraph means "base fee and award fee."~~

~~(d) If the level of effort specified to be ordered during a given base or option period is not ordered during that period, that level of effort may not be accumulated and ordered during a subsequent period.~~

~~(e) These terms and conditions do not supersede the requirements of either the "Limitation of Cost" or "Limitation of Funds" clauses.~~

ARTICLE VIII — EP52.232-210 INTEREST ON OVERDUE PAYMENTS (OCT 1982).

(a) The Prompt Payment Act, Public Law 97-177 (96 Stat. 85, 31 U.S.C. 1801) is applicable to payments under this contract and requires the payment to Contractors of interest on overdue payments and improperly taken discounts.

(b) Determinations of interest due will be made in accordance with the provisions of the Prompt Payment Act and Office of Management and Budget Circular A-125.

ARTICLE IX — EP52.232-220 METHOD OF PAYMENT (OCT 1983).

(a) Payments under this contract will be made either by check or by wire transfer through the Treasury Financial Communications System at the option of the Government.

(b) The Contractor shall forward the following information in writing to the paying office not later than 7 days after receipt of notice of award.



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ARTICLE IX — EP52.232-220 METHOD OF PAYMENT (OCT 1983) *(Continued)*.

(1) Full name (where practicable), title, phone number, and complete mailing address of responsible official(s), (i) to whom check payments are to be sent, and (ii) who may be contacted concerning the bank account information requested below.

(2) The following bank account information required to accomplish wire transfers:

(i) Name, address, and telegraphic abbreviation of the receiving financial institution.

(ii) Receiving financial institution's 9-digit American Bankers Association (ABA) identifying number for routing transfer of funds. *(Provide this number only if the receiving financial institution has access to the Federal Reserve Communications System.)*

ARTICLE X — SUBMISSION OF CLAIMS FOR REIMBURSEMENT (APR 1984).

The Contractor shall submit one (1) copy of each voucher to the On-Scene Coordinator. The Contractor shall include the following statement on the reverse of the On-Scene Coordinator's copy of the voucher or in an attachment to the On-Scene Coordinator's copy of the voucher:

On-Scene Coordinator's Certification

I certify to the best of my knowledge and belief that the amounts for which reimbursement is claimed in this voucher are reasonable and were necessarily incurred in the performance of the related contract; that the Contractor performed the services for which reimbursement is claimed; and that all required reports have been received.

On-Scene Coordinator

See Page 1 - Block Number 7 (3 copies)  
ARTICLE XI — EP52 246-100 INSPECTION AND ACCEPTANCE (APR 1984).

(a) The Contracting Officer or the duly authorized representative will perform inspection and acceptance of materials and services to be provided.

(b) For the purposes of this clause, the On-Scene Coordinator is the authorized representative of the Contracting Officer.

(c) Inspection and acceptance will be performed at the location of the hazardous substance release.

ARTICLE XII — SERVICES CONTRACT ACT OF 1965 (APR 1984).

This letter contract and resulting definitive contract are subject to the Service Contract Act of 1965, as amended. Accordingly, each service employee employed in performance of the work set forth herein is required to be paid not less than the minimum monetary wage and to be furnished fringe benefits in accordance with the wages and fringe benefits determined by the Secretary of Labor. The applicable wage and fringe benefit determination from the Secretary of Labor is not currently available; however, such wage and fringe benefit determination will be incorporated into the contract definitizing this letter contract. When, as a result of the Secretary of Labor's determination of minimum wages and fringe benefits, the Contractor is required to increase the wages or fringe benefits of service employees working on this letter contract, the applicable contract payments to the Contractor will be retroactively adjusted to reflect any such increase in wages or fringe benefits.

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ARTICLE XIII — 52.222-42 STATEMENT OF EQUIVALENT FEDERAL WAGE RATES (APR 1984).

In compliance with the Service Contract Act of 1965, as amended, and the regulations of the Secretary of Labor (29 CFR Part 4), this clause identifies the classes of service employees expected to be employed under the contract and states the wages and fringe benefits payable to each if they were employed by the contracting agency subject to the provisions of 5 U.S.C. 5341 or 5332.

**THIS CLAUSE IS FOR INFORMATION ONLY: IT IS NOT A WAGE DETERMINATION**

*The information in this clause will be provided in the definitized contract.*

Hourly Compensation

Employee Class	Wages	Fringe Benefits	Total

ARTICLE XIV — 52.243-7 NOTIFICATION OF CHANGES (APR 1984).

(a) *Definitions.* "Contracting Officer," as used in this clause, does not include any representative of the Contracting Officer. "Specifically authorized representative (SAR)," as used in this clause, means any person the Contracting Officer has so designated by written notice (*a copy of which shall be provided to the Contractor*) which shall refer to this subparagraph and shall be issued to the designated representative before the SAR exercises such authority.

(b) *Notice.* The primary purpose of this clause is to obtain prompt reporting of Government conduct that the Contractor considers to constitute a change to this contract. Except for changes identified as such in writing and signed by the Contracting Officer, the Contractor shall notify the Administrative Contracting Officer in writing promptly within 10 calendar days from the date that the Contractor identifies any Government conduct (*including actions, inactions, and written or oral communications*) that the Contractor regards as a change to the contract terms and conditions. On the basis of the most accurate information available to the Contractor, the notice shall state—

- (1) The date, nature, and circumstances of the conduct regarded as a change;
- (2) The name, function, and activity of each Government individual and Contractor official or employee involved in or knowledgeable about such conduct;
- (3) The identification of any documents and the substance of any oral communication involved in such conduct;
- (4) In the instance of alleged acceleration of scheduled performance or delivery, the basis upon which it arose;
- (5) The particular elements of contract performance for which the Contractor may seek an equitable adjustment under this clause, including—
  - (i) What contract line items have been or may be affected by the alleged change;
  - (ii) What labor or materials or both have been or may be added, deleted, or wasted by the alleged change;
  - (iii) To the extent practicable, what delay and disruption in the manner and sequence of performance and effect on continued performance have been or may be caused by the alleged change;
  - (iv) What adjustments to contract cost, delivery schedule, and other provisions affected by the alleged change are estimated; and



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(6) The Contractor's estimate of the time by which the Government must respond to the Contractor's notice to minimize cost, delay or disruption of performance.

(c) *Continued performance.* Following submission of the notice required by (b) above, the Contractor shall diligently continue performance of this contract to the maximum extent possible in accordance with its terms and conditions as construed by the Contractor, unless the notice reports a direction of the Contracting Officer or a communication from a SAR of the Contracting Officer, in either of which events the Contractor shall continue performance; provided, however, that if the Contractor regards the direction or communication as a change as described in (b) above, notice shall be given in the manner provided. All directions, communications, interpretations, orders and similar actions of the SAR shall be reduced to writing promptly and copies furnished to the Contractor and to the Contracting Officer. The Contracting Officer shall promptly countermand any action which exceeds the authority of the SAR.

(d) *Government response.* The Contracting Officer shall promptly, within 30 calendar days after receipt of notice, respond to the notice in writing. In responding, the Contracting officer shall either—

(1) Confirm that the conduct of which the Contractor gave notice constitutes a change and when necessary direct the mode of further performance;

(2) Countermand any communication regarded as a change;

(3) Deny that the conduct of which the Contractor gave notice constitutes a change and when necessary, direct the mode of further performance; or

(4) In the event the Contractor's notice information is inadequate to make a decision under (1), (2), or (3) above, advise the Contractor what additional information is required, and establish the date by which it should be furnished and the date thereafter by which the Government will respond.

(e) *Equitable adjustments.* (1) If the Contracting Officer confirms that Government conduct effected a change as alleged by the Contractor, and the conduct causes an increase or decrease in the Contractor's cost of, or the time required for, performance of any part of the work under this contract, whether changed or not changed by such conduct, an equitable adjustment shall be made—

(i) In the contract cost or delivery schedule or both; and

(ii) In such other provisions of the contract as may be affected.

(2) The contract shall be modified in writing accordingly. In the case of drawings, designs, or specifications which are defective and for which the Government is responsible, the equitable adjustment shall include the cost and time extension for delay reasonably incurred by the Contractor in attempting to comply with the defective drawings, designs, or specifications before the Contractor identified, or reasonably should have identified, such defect. When the cost of property made obsolete or excess as a result of a change confirmed by the Contracting Officer under this clause is included in the equitable adjustment, the Contracting Officer shall have the right to prescribe the manner of disposition of the property. The equitable adjustment shall not include increased costs or time extensions for delay resulting from the Contractor's failure to provide notice or to continue performance as provided, respectively, in (b) and (c) above.

ARTICLE XV — 52.222-2 PAYMENT FOR OVERTIME PREMIUMS (APR 1984).

(a) The use of overtime is authorized under this contract if the overtime premium cost does not exceed (to be negotiated.) In addition to this dollar ceiling, overtime is permitted only for work—

(1) Necessary to cope with emergencies such as those resulting from accidents, natural disasters, breakdowns of production equipment, or occasional production bottlenecks of a sporadic nature;

(2) By indirect-labor employees such as those performing duties in connection with administration, protection, transportation, maintenance, standby plant protection, operation of utilities, or accounting;



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(3) To perform tests, industrial processes, laboratory procedures, loading or unloading of transportation conveyances, and operations in flight or afloat that are continuous in nature and cannot reasonably be interrupted or completed otherwise; or

(4) That will result in lower overall costs to the Government.

(b) Any request for estimated overtime premiums that exceeds the amount specified above shall include all estimated overtime for contract completion and shall—

(1) Identify the work unit; e.g., department or section in which the requested overtime will be used, together with present workload, staffing, and other data of the affected unit sufficient to permit the Contracting Officer to evaluate the necessity for the overtime;

(2) Demonstrate the effect that denial of the request will have on the contract delivery or performance schedule;

(3) Identify the extent to which approval of overtime would affect the performance or payments in connection with other Government contracts, together with identification of each affected contract; and

(4) Provide reasons why the required work cannot be performed by using multishift operations or by employing additional personnel.

ARTICLE XVI — REPORT OF DAILY SERVICES (APR 1984).

The Contractor shall submit to the on-Scene Coordinator a daily report which identifies all charges for which the Federal Government will be billed as a result of that day's service. Daily reports shall be in accordance with a format to be provided by the On-Scene Coordinator and shall include an itemization of the labor hours incurred for each employee, material charges, subcontract costs, and travel costs.

ARTICLE XVII — COST-SHARING (APR 1984).

If this contract requires the State to respond to a release or threat of a release of a hazardous substance at a facility that was owned at the time of any disposal of hazardous substances therein by the State or a political subdivision thereof, the State shall pay 50 percent of the costs for performance of the contract. Such cost-sharing shall be effected as follows: Public vouchers submitted in accordance with the provisions of this contract shall show the total cost incurred for the period for which the voucher is submitted, the cumulative total of costs incurred through the billing period, and the percent (50%) of costs to be reimbursed by the Government.

ARTICLE XVIII — EP52.216-180 ESTIMATED COST (APR 1984)

The Estimated cost of this contract is \$ 87,000.00 (to be negotiated). There is no fixed fee.

ARTICLE XIX — 52.252-2 CLAUSES INCORPORATED BY REFERENCE (APR 1984).

This contract incorporates the following clauses by reference, with the same force and effect as if they were given in full text. Upon request, the Contracting Officer will make their full text available.

I. FEDERAL ACQUISITION REGULATION (48 CFR CHAPTER 1) CLAUSES

FAR Number

Title

52.202-1	Definitions (APR 1984).
52.203-1	Officials Not To Benefit (APR 1984).
52.203-3	Gratuities (APR 1984).
52.203-5	Covenant Against Contingent Fees (APR 1984).
52.212-13	Stop-Work Order (APR 1984).
	The "90-day" period stated in the clause is reduced to 14 days.



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FAR Number

Title

52.212-13	Stop-Work Order (APR 1984). ALTERNATE I (APR 1984).
52.215-1	Examination of Records by Comptroller General (APR 1984).
52.215-2	Audit—Negotiation (APR 1984).
52.215-22	Price Reduction for Defective Cost or Pricing Data (APR 1984).
52.215-24	Subcontractor Cost or Pricing Data (APR 1984).
52.216-7	Allowable Cost and Payment (APR 1984).
52.216-12	Cost-Sharing Contract — No Fee (APR 1984).
52.216-26	Payment of Allowable Cost Before Definitization (APR 1984).
52.219-8	Utilization of Small Business Concerns and Small Disadvantaged Business Concerns (APR 1984).
52.219-13	Utilization of Women-Owned Small Businesses (APR 1984).
52.220-3	Utilization of Labor Surplus Area Concerns (APR 1984).
52.222-1	Notice to the Government of Labor Disputes (APR 1984).
52.222-3	Convict Labor (APR 1984).
52.222-4	Contract Work Hours and Safety Standards Act—Overtime Compensation—General (APR 1984).
52.222-26	Equal Opportunity (APR 1984).
52.222-35	Affirmative Action for Special Disabled and Vietnam Era Veterans (APR 1984).
52.222-36	Affirmative Action for Handicapped Workers (APR 1984).
52.222-41	Service Contract Act of 1965 (APR 1984).
52.223-2	Clean Air and Water Act (APR 1984).
52.223-3	Hazardous Material Identification and Material Safety Data (APR 1984).
52.232-20	Limitation of Costs (APR 1984).
52.232-23	Assignment of Claims (APR 1984).
52.233-1	Disputes (APR 1984).
52.237-3	Continuity of Services (APR 1984).
52.242-1	Notice of Intent To Disallow Costs (APR 1984).
52.243-2	Changes (APR 1984).
52.243-2	Changes (APR 1984). ALTERNATE I (APR 1984).
52.244-2	Subcontracts Under Cost-Reimbursement and Letter Contracts (APR 1984).
52.244-5	Competition in Subcontracting (APR 1984).
52.245-5	Government Property (Cost-Reimbursement, Time and Materials, or Labor Hour Contracts) (APR 1984).
52.246-5	Inspection of Services—Cost-Reimbursement (APR 1984).
52.246-25	Limitation of Liability—Services (APR 1984).
52.249-6	Termination (Cost-Reimbursement) ALTERNATE II (APR 1984).
52.249-14	Excusable Delays (APR 1984).
52.236-18, 52.236-19, 52.236-20	

II. ENVIRONMENTAL PROTECTION AGENCY ACQUISITION REGULATION (48 CFR CHAPTER 15)  
CLAUSES

EPAAR Number

Title

1552.209-71	Organizational Conflicts of Interest (APR 1984).
1552.228-73	Insurance—Liability to Third Persons—State or Local Governments (Emergency) (APR 1984).
1552.232-70	Application of Prompt Payment Act—Contracts with Advanced, Progress, or Provisional Payments (APR 1984).
1552.237-74	Publicity (APR 1984).
1552.245-72	Fabrication or Acquisition of Nonexpendable Property (APR 1984).

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## SPECIFICATIONS - EXHIBIT "A"

### SECTION 1 - GENERAL

#### 1.01 SCOPE

The Contractor shall furnish all labor, materials, equipment and incidentals to perform all water service work for approximately 50 to 60 residences in the Jagger Lnae area of Westhampton in the Town of Southampton as specified herein and as directed by the On Scene Coordinator (OSC). In general, the work at each residence shall include but not be limited to the following:

- a) Furnish and install underground Type "K" copper tubing water service line beginning at property line and terminating in the residence by connecting into the main water line emanating from the residential well.
- b) Complete disconnection and capping of the residential well for cross-connection control purposes immediately after water service is activated by the Suffolk County Water Authority.
- c) Interior shut-off valve at the connection point in each residence.
- d) Excavation, backfill and compaction of water service line trenches.
- e) Complete restoration of trenches including topsoil, seeding or sodding, planting, repaving and all other work as may be required to restore each residential site to a like or better condition which existed prior to contractor's operations.
- f) Cutting, patching and building restoration of each residence at incoming water service entry point and for water line installation within the residence.

#### 1.02 PERMITS AND REGULATIONS

The Contractor shall obtain and pay for all permits necessary to conduct the work and complete this contract. All work shall be performed in strict accordance with the regulations and requirements of the various civil agencies having jurisdiction thereof. Upon completion of the work provided for in this contract, and before final payment shall be made, the contractor shall furnish the OSC with any necessary certificates of approval issued by these various agencies.

All work performed by the Contractor shall be in accordance with the following codes and regulations:

## SPECIFICATIONS (cont'd.)

### SECTION - - GENERAL (cont'd.)

#### 1.02 PERMITS AND REGULATIONS (cont'd.)

- a) Local and State Codes and Ordinances.
- b) Suffolk County Sanitary Code.
- c) Suffolk County Health Dept. Regulations.
- d) Suffolk County Water Authority Regulations for Water Service.
- e) All other regulatory or governing agencies having jurisdiction.

#### 1.03 SUPERVISION AND WORKMEN

The Contractor shall give his constant personal attention to the work while it is in progress and he shall place it in charge of a competent and reliable foreman who shall be acceptable to the OSC. The Contractor shall, at all times, employ labor and equipment which shall be sufficient to prosecute the work to full completion in the manner and time specified. All workmen must have sufficient skill and experience in such work to properly and satisfactorily perform it and operate the equipment involved. Any person employed by the Contractor whom the OSC may deem incompetent or unfit to perform the work shall be at once discharged and shall not be again employed on this project.

#### 1.04 INSPECTION

All proposed work under this Contract shall be performed during and with the OSC's inspection. The Contractor is advised to inspect carefully the full premises and consult with the OSC regarding any items of construction or reconstruction that may be questionable.

#### 1.05 MAINTENANCE AND PROTECTION OF TRAFFIC

The Contractor shall so conduct his operation as to interfere to the least extent practicable with the passage of vehicles, boats, pedestrians and all other kinds of public traffic; and he must take every precaution against accidents happening to said vehicles, boats, pedestrians and other traffic because of his operations. The Contractor shall enforce regulations and restrictions as may be necessary or required for the protection of fire, accidents, property damage and public nuisance. He shall provide and maintain such toilet facilities at or adjacent to the site as may be required. The Contractor shall erect and maintain such signs, channel and obstruction markers and barricades as may be required for the protection of traffic.

## SPECIFICATIONS (cont'd.)

### SECTION 1 - GENERAL (cont'd.)

#### 1.06 MAINTENANCE AND PROTECTION OF UTILITIES

The Contractor shall familiarize himself with the existence of structures of municipal and other public service corporations on or adjoining the site of the work and give reasonable opportunity to and cooperation with the owners of these utilities in the work of reconstructing or altering them. Such reconstruction and alteration shall be so conducted as to delay or interfere as little as practicable with the work of the Contractor. Any additional cost of various items of work because of these utilities shall be included in the price bid for these items.

The OSC shall direct the public utility corporations to shift or remove those utility structures that may be necessary to permit the Contractor to carry out the work in accordance with the plans. The Contractor shall not remove or cause to be removed any structure or part of a structure owned by a public utility corporation without the approval of the OSC.

The Contractor shall cooperate with the public utility corporation whose structures (aerial, surface or subsurface) are within the limits of or along the outside of the right-of-way, to make it possible for them to maintain uninterrupted service. The Contractor shall conduct his operations in such a way as to delay or interfere as little as practicable with the work of the utility corporation.

#### 1.07 GRADES, LINES, LEVELS AND SURVEYS

All required lines, levels, grades, etc. shall be furnished by the Contractor from existing reference points.

The Contractor shall verify all grades, lines, levels and dimensions as shown on the Drawings, and he shall coordinate any inconsistencies in the aforementioned with the OSC before commencing work.

#### 1.08 LABOR, LAWS AND WORKMANSHIP

The Contractor and any sub-contractors employed upon the work shall and will be required to conform to the Labor Laws of the State of New York, and Occupation Safety and Health Act of the United States and the various Acts amendatory and supplementary thereto; and to all other laws, ordinances and legal requirements applicable thereto.

All labor shall be performed in the best and most workmanlike manner by mechanics skilled in their respective trades. The standards of the work required throughout shall be of such grade as will bring results of the first class only.

## SPECIFICATIONS (cont'd.)

### SECTION 1 - GENERAL (cont'd.)

#### 1.09 APPROVAL OF SUBCONTRACTORS

No sub-contractors shall be employed on the work unless prior approval has been given by the OSC. The Contractor shall, within five (5) days after signing of Contract, submit a list of proposed sub-contractors to the OSC for approval.

If for any reason a sub-contractor must be discharged from the work, the Contractor shall notify the OSC at least 24 hours prior to discharge stating the reasons. This action is deemed necessary to maintain continuity of the work and to minimize project disruptions.

#### 1.10 STANDARD SPECIFICATIONS

Where reference is made in these specifications to the specifications of the American Society of Testing Materials, (A.S.T.M.), the American Wood Preservative Association (A.W.P.A.), the American Standards Association (A.S.A.) or other societies, the portion referred to shall be read into and shall be a part of this contract and specifications. Materials, methods and equipment shall conform with the latest A.S.T.M., A.W.P.A., and A.S.A. specifications as they may relate to or govern the construction work.

#### 1.11 CLEANUP

The Contractor shall at all times keep the construction area, including storage areas used by him, free from accumulation of waste material and rubbish and prior to completion of the work, remove any rubbish from and about the premises. Upon completion of the construction, the Contractor shall leave the work and premises in a clean, neat and workmanlike condition satisfactory to the OSC.



## SPECIFICATIONS (cont'd.)

### SECTION 2 - PIPING SYSTEM

#### 2.01 SCOPE

The Contractor shall furnish all labor, materials, equipment and incidentals necessary to construct exterior water service lines and interior water service lines for each residence as specified herein and as directed by the OSC. Included shall be all restoration work.

#### 2.02 MATERIALS

a) Exterior Underground Water Service Lines shall be minimum of 3/4" diameter, Type "K" soft annealed copper water tubing, conforming to ASTM Specifications B-42, latest edition.

b) Interior Water Service Lines shall be minimum 3/4" diameter and adapt to the size of the well discharge piping at the connection point to such piping and shall be Type "K", hard annealed copper piping conforming to ASTM Specifications B-42, latest edition. Fittings shall be wrought copper, solder type, conforming to A.S.A. B-16.22. Solder joints shall be made with 95-5 tin and antimony. Provide gate valve at connecting point to existing piping for shut-off purposes. Valves shall be solid wedge gate type, with rising spindle, cast bronze, non-heat hand wheel, 3/4" diameter, Jenkins Figure 1242 (solder ends) or approved equal. Provide all necessary unions, reducers and adaptors as may be required to connect to interior lines of different materials and diameters.

#### 2.03 WORKMANSHIP

Workmanship shall result in quality of the first-class only. Underground piping shall be installed with a minimum cover of 4½ ft. Piping in the buildings shall be run straight and direct as possible, either at right angles to or parallel with walls, floors and ceilings. Wherever finished basements occur, the piping shall be run concealed and all patching shall be performed to restore the building to like or better condition which existed prior to starting work.

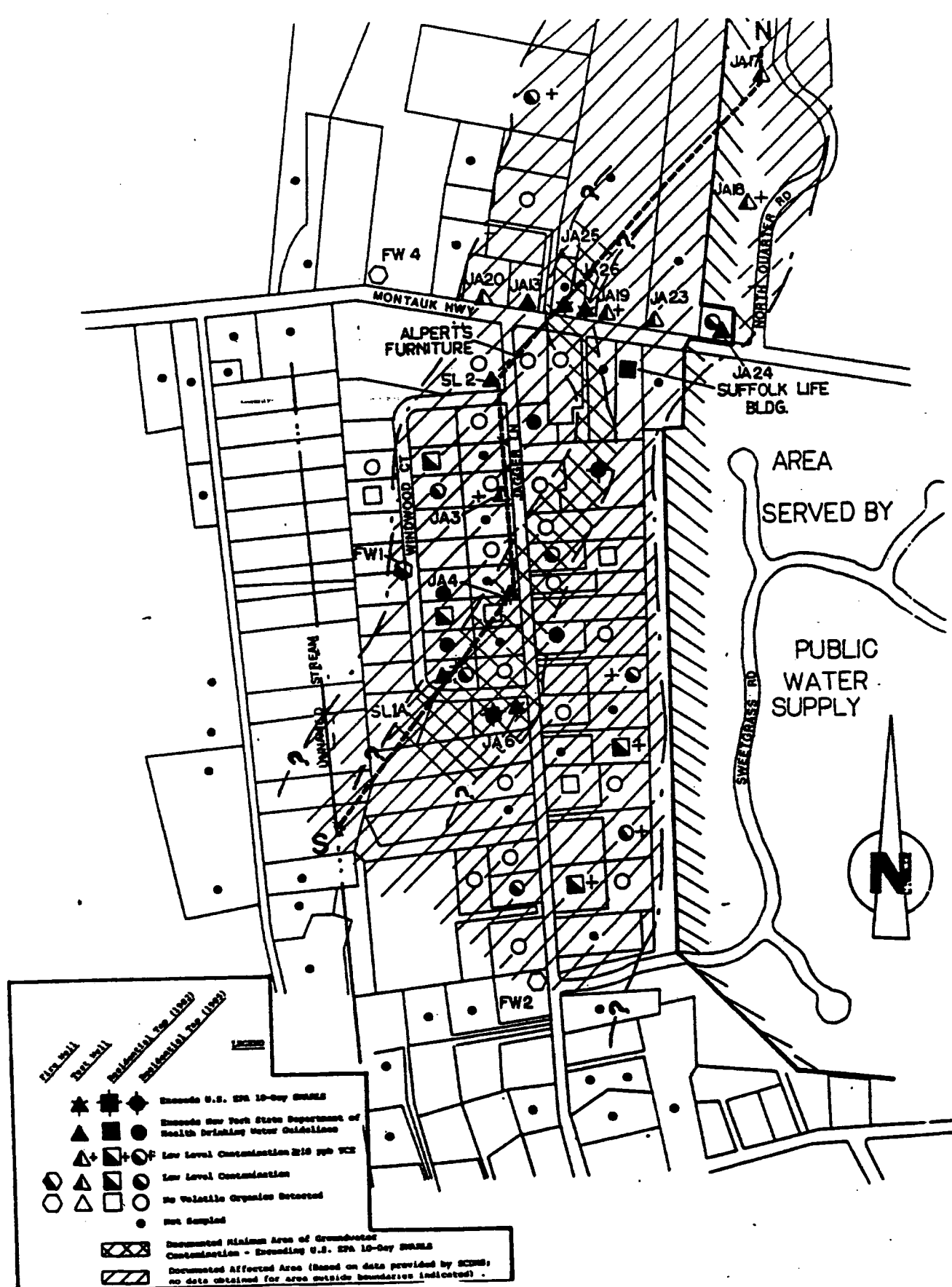
All underground service lines shall be inspected by the Suffolk County Water Authority prior to backfilling and installed to their approval. All trenches shall be backfilled and compacted by approved means to eliminate trench settlement. All trenches shall be restored to like or better condition which existed prior to the Contractor's operations. Included shall be restoration of every name and nature. Provide all necessary approved supports and hangers to attach interior piping to the building construction.

SPECIFICATIONS (cont'd.)

SECTION 2 - PIPING SYSTEM (cont'd.)

2.03 WORKMANSHIP (cont'd.)

All lines cut into for connection of new water service line shall be capped on the domestic well service side as a means of positive cross-connection control. Well capping and final connections in the residence shall be done immediately after Suffolk County Water Authority places the new line into service.



**Map of Jagger Lane Area**

APPENDIX K

AUTHORIZATION OF ADDITIONAL FUND  
MONIES FOR  
IMMEDIATE REMOVAL ACTION

OSC REPORT  
JAGGER LANE  
WESTHAMPTON, NY

## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

AUG 19 1985

Region II

Authorization of Additional Trust Fund Monies For Immediate Removal Activities At Jagger Lane Groundwater Contamination Site, Westhampton, Suffolk County, Long Island, New York

Christopher J. Daggett  
Regional Administrator

W. Gad Tawadros, On-Scene Coordinator  
Response and Prevention Branch

THRU: William J. Librizzi, Director  
Emergency and Remedial Response Division

This memorandum will authorize a ceiling increase of \$158,628, raising the project ceiling to \$611,874 in Trust Fund monies required to complete the removal action at the Jagger Lane Groundwater Contamination Site. The items increasing the project costs are displayed in Figure 3 and are due to: (a) recent identification by Suffolk County Department of Health Services (SCDHS) of four additional homes located in the affected area which have well water presently contaminated above the New York Department of Health (NYSDOH) guideline limits for potable water and the identification of four additional homes which have well water contaminated with 1,2-dichloropropane to levels exceeding limits recommended by the Superfund Implementation Group of the EPA Center For Disease Control (bottled water will be provided to these eight homes); (b) an increase by 18 in the number of residential structures and 5 in the number of commercial structures identified for hookup to the water main extension being constructed; (c) due to the county and state health department regulations and the sanitary code requirement for 33 structures to have reduced pressure zone devices (RPZD) installed as part of the water hookup installation for homes of commercial facilities that meet specified conditions; (d) the determination of a high risk area requiring extension of the approved public water distribution system to service this additional area. This extension will include an additional 1,400 feet of 12 inch water main and hookups to 8 additional homes; and, (e) as a result of an increase in the scope of the removal action being completed, additional extramural (TAT) and intramural EPA costs are anticipated.

During the period of time between April 1 and July 25, 1985, SCDHS sampled well water from 38 additional residences located in the affected area. This sampling was conducted to either resample homes for which the existing water

CONCURRENCES

SYMBOL	2ERR-RP:TAT	2ERR-RP:TAT			
SURNAME	DEROSE	SKIPP			
DATE	TAWADROS	ZACHOS	RUBEL	LIBRIZZI	DAGGETT

quality data was more than one year old, or to sample homes which had not previously been sampled. The results obtained from this latest sampling program were received by the EPA subsequent to the approval of the removal action. Four of the recently sampled residences were found to be contaminated at levels greater than the NYSDOH guideline limits for potable water. Each of these homes is located within the previously approved watermain extension area. Delivery of bottled water is authorized for these four homes for the remaining period of time estimated to complete the removal action.

Recent guidance received from the Superfund Implementation Group of the EPA, Center For Disease Control (see Appendix A) recommends that wells contaminated with levels of 1,2-dichloropropane in excess of 25 ug/l be provided an alternate drinking water supply. Four wells at the site, which do not exceed NYSDOH guideline limit for potable water, exceed the 25 ug/l level. Each of these homes is located within the previously approved water main extension area. Delivery of bottled water is authorized for these four homes for the remaining period of time estimated to complete the removal action. SCDHS will monitor water quality on a quarterly basis for those wells contaminated with 1,2-dichloropropane at levels greater than 10 ug/l.

Original cost estimates for the removal action at Jagger Lane were based upon providing the water main and hookups to 50 homes, as identified by county and state officials, located within the area affected by contamination of groundwater as documented by the Suffolk County Department of Health Services (SCDHS). Based upon field surveys conducted by the U.S. EPA and the review of tax property maps made available through the Town of Southampton, it has been determined that there are a total of 73 structures located within the documented affected area. This represents an increase of 18 homes to be hooked up to the water main. All of the homes are located within the area to be serviced by the approved water main extension, however an increase in funding is required in order to complete the hookup installations to each additional home. Two of these homes are new, and construction was started at approximately the same time as the removal action was initiated. No funds will be approved for any additional homes which started construction after May 14, 1985 (authorization of immediate removal action). In addition, funds are authorized to complete the hookup of five commercial properties which previously were not included in the removal action funding request. These five facilities are included within this request for additional funding in order to protect the health of the employees working at the facilities whom otherwise would potentially be exposed to

contaminated water through drinking or washing. At the present time, one of the facilities is unoccupied.

The Town of Southampton, Hampton Bays Water District informed the U.S. EPA, On-Scene Coordinator (OSC) that as part of the hookup installation for residential homes with in-ground swimming pools and/or irrigation systems and for hookups to commercial facilities with sprinkler systems, reduced pressure zone devices (RPZD) or backflow prevention valves are required by health department regulations and the sanitary code (Appendix B). As a result of this requirement, 33 structures have been identified for the installation of the RPZD's. The locations of these structures are presented on Figure 3, and are also listed in Appendix C. A detailed cost estimate has been provided by the Town of Southampton for the design and installation of the RPZD's. A copy of the estimate is attached to this funding authorization.

Appendix C, attached to this document, includes an updated list of all the properties located in the affected area which are to be serviced by the extension of the public water main. In addition, the list includes private wells sampled in the vicinity of Jagger Lane which are located outside of the affected area. Figures 1 and 2 and Table 1 presents the locations of the wells and a summary of the water quality results obtained at each location. In addition, Figure 2 and Table 2 summarize updated groundwater quality data obtained from profile wells installed by SCDHS.

Based upon an evaluation of the latest available groundwater quality data, as summarized in the above referenced Figures, Tables and Appendix, several observations concerning the contaminant plume were noted. These include: 1) the lateral extent and distribution of contaminant has changed between the two time periods in which sampling of residential wells has been conducted; 2) levels of contaminants within the plume have been documented in excess of the EPA 10 DAY SNARLS during both rounds of sampling conducted by the SCDHS; and 3) the present distribution of contaminants within residential wells located along Jagger Lane and Windwood Court indicates a greater number of contaminated wells and higher levels of contamination in those residences located along the western portion of this area.

In addition, published hydrogeologic reports, which characterize groundwater flow patterns in areas of similar physiographic and geologic settings, outline several features of local groundwater flow patterns observed near streams which appear to be affecting the distribution of the

Table 1

Jagger Lane, West Hampton, New York  
Summary of Reported Concentrations of  
Six Volatile Organic Contaminants  
Found In Residential Wells<sup>1</sup>

Resi-2 dential Well	Sample Date	1,2- Dichloro- ethane	1,1,1- Trichloro- ethane	1,1,2- Trichloro- ethylene	Cis- Dichloro- ethylene	Tetrachloro- ethylene	1,1- Dichloro- propane	Total Con. of VOC's
Duprez	3/8/82	4	-	-	-	-	550*	554*
	3/11/85	-	-	-	-	-	-	-
Schneider	5/6/82	-	-	4	-	-	37***	41
	5/7/85	-	-	-	-	-	6	9
Hallinan	11/17/81	-	-	10	-	-	-	10
	2/27/85	-	-	-	-	-	3	3
Bartko	3/16/82	-	-	9	-	-	-	9
Smith	3/8/82	-	-	17	-	2	-	19
	4/22/85	-	-	69*	-	2	25***	96
Plank	2/10/82	-	-	500*,**	-	47	-	547*
	3/11/85	-	-	35	-	-	-	35
Bengualid	6/7/82	43	35	3300*,**	-	180*,**	-	3558*
	8/2/84	-	-	140*	-	-	-	140*
	5/7/85	-	-	330*,**	3	-	-	333*
Hopkins	12/12/83	-	-	3	4	-	-	7
Leveen	3/8/82	-	5	-	-	-	-	5
Glasky	6/29/82	10	-	560*,**	59*	20	-	649*
	3/11/85	-	-	140*	3	4	47***	197*
Hadlock	3/12/82	-	-	240*,**	-	3	-	243*
	2/27/85	-	-	-	-	-	-	-
Scammell	8/17/82	-	-	540*,**	-	-	-	540*
	3/11/85	-	-	22	-	-	-	22
Fugelsang	10/18/82	-	-	42	-	-	-	42
Barnet	6/29/82	-	-	41	-	-	-	41
Sposato	2/27/85	-	-	2000*,**	420*,**	21	9	2472*
	1/28/85	-	-	-	-	-	49***	49
Wolff	2/20/85	-	-	10	-	-	3	13
Abbate	2/27/85	-	-	5	-	-	26***	31
Nowak	2/20/85	-	-	6	-	-	-	6
Stasse	3/11/85	-	-	-	-	-	7	7
Finkelstn	3/11/85	-	-	46	-	-	26***	72
Kempster	4/15/85	-	-	12	-	-	57*	77
Rogers	4/15/85	-	-	54*	-	-	19	77



Table 1

Jagger Lane, West Hampton, New York  
Summary of Reported Concentrations of  
Six Volatile Organic Contaminants  
Found In Residential Wells<sup>1</sup>

Residential Well	Sample Date	1,2-Dichloroethane	1,1,1-Trichloroethane	1,1,2-Trichloroethylene	Cis-Dichloroethylene	Tetrachloroethylene	1,1-Dichloropropane	Total Con. of VOC's
Rutledge	4/15/85	-	-	-	-	-	5	5
<u>Altier</u>	4/22/85	-	-	-	-	-	49***	62
	5/7/85	-	-	-	-	-	45***	57
Thorp	4/22/85	-	-	2	-	-	21	27
Schneider	5/7/85	-	-	-	-	-	6	9
<u>Jaeger</u>	5/22/85	-	-	70*	-	13	6	89
<u>Guilfoyle</u>	6/5/85	-	-	57*	-	-	35***	92
<u>Curley</u>	6/5/85	-	-	71*	-	-	20	91
<u>Grotsky</u>	6/5/85	-	-	4	-	-	37***	46
Conlon	6/25/85	-	-	14	-	-	-	14
New Owner	7/25/85	-	-	24	-	-	-	24
<u>Benjamin</u>	7/8/85	-	-	85*	-	-	-	85

<sup>1</sup> Sampling and analysis conducted by Suffolk County Department of Health Services. All values are in ppb; - = Not detected.

<sup>2</sup> Residences to receive bottled water indicated by underlined names.

\* Concentration exceeds NYSDOH guideline for determining water unfit for drinking or cooking.

\*\* Concentration exceeds 10-Day EPA SNARLS.

\*\*\* Concentration exceeds EPA, Superfund Implementation Group Guideline Limit For 1,1-dichloropropane contamination of drinking water (7 - 16 - 85; correspondence attached).

TABLE 2  
Summary of Groundwater Sampling Well Water Quality Data

<u>Well No.<sup>1</sup></u>	<u>Sample Depth (Feet)</u>	<u>1-1-2 Tri- chloroethylene</u>	<u>Cis- Dichloroethylene</u>	<u>Tetrachloro- ethylene</u>	<u>1-2 Dichloro- propane</u>	<u>Total Conc. of VOC's</u>
SL-1A	21	16	-	-	-	16
	42	15	-	-	6	21
	63	680	-	66	-	746
	84	320	-	30	-	350
	105	-	-	-	-	-
	125	-	-	-	-	-
SL-2	24	-	-	-	-	-
	45	-	-	-	57	57
	65	-	-	-	-	-
	75	-	-	-	-	-
JA-3	23	-	-	-	-	-
	44	-	-	-	-	-
	65	26	-	8	26	60
	82	-	-	-	-	-
JA-4	23	-	-	-	-	-
	44	-	-	-	-	-
	65	250	3	10	6	269
	75	1300	190	66	34	1590
JA-6	23	10	-	-	-	10
	44	3	-	-	-	3
	65	710	-	12	-	722
	75	110	-	-	-	110
	96	-	-	-	-	-
	107	-	-	-	-	-
JA-7	22	-	-	-	-	-
	43	-	-	-	-	-
	64	89	-	3	-	92
	85	97	-	-	-	97
	106	-	-	-	-	-
JA-8	23	-	-	-	-	-
	44	3	-	-	-	3
	65	60	-	-	-	60
	86	19	-	-	-	19

- = Not Detected.

<sup>1</sup>All samples collected by Suffolk County Department of Health Services, January through April, 1985.

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TABLE 2 - (CONTINUED)  
Summary of Groundwater Sampling Well Water Quality Data

<u>Well No.<sup>1</sup></u>	<u>Sample Depth (Feet)</u>	<u>1-1-2 Tri- chloroethylene</u>	<u>Cis- Dichloroethylene</u>	<u>Tetrachloro- ethylene</u>	<u>1-2 Dichloro- propane</u>	<u>Total Conc. of VOC's</u>
JA-13	28	-	-	-	-	-
	44	-	-	-	-	-
	65	66	-	-	32	98
	86	3	-	-	-	3
	96	-	-	-	-	-
JA-17	28	-	-	-	-	-
	44	-	-	-	-	-
	65	-	-	-	-	-
	86	6	-	-	-	6
	96	33	-	-	-	33
JA-18	26	-	-	-	-	-
	44	-	-	-	-	-
	65	4	-	-	-	8
	86	7	-	-	-	7
	96	2	-	-	-	2
JA-19	29	-	-	-	-	-
	46	-	-	-	-	-
	66	3	-	-	-	3
	86	24	-	-	-	24
	96	-	-	-	-	-
JA-20	26	-	-	-	-	-
	44	-	-	-	-	-
	65	-	-	-	6	6
	86	-	-	-	-	-
	96	-	-	-	-	-
JA-23	49	-	-	-	-	-
	70	3	-	-	-	3
	91	4	-	-	-	4
	112	8	-	-	-	8
	124	-	-	-	-	-
JA-24	33	-	-	-	-	-
	56	-	-	-	13	13
	76	-	-	-	100	100

- = Not Detected.

<sup>1</sup>All samples collected by Suffolk County Department of Health Services, January through April, 1985.

\*Existing Fire Well.

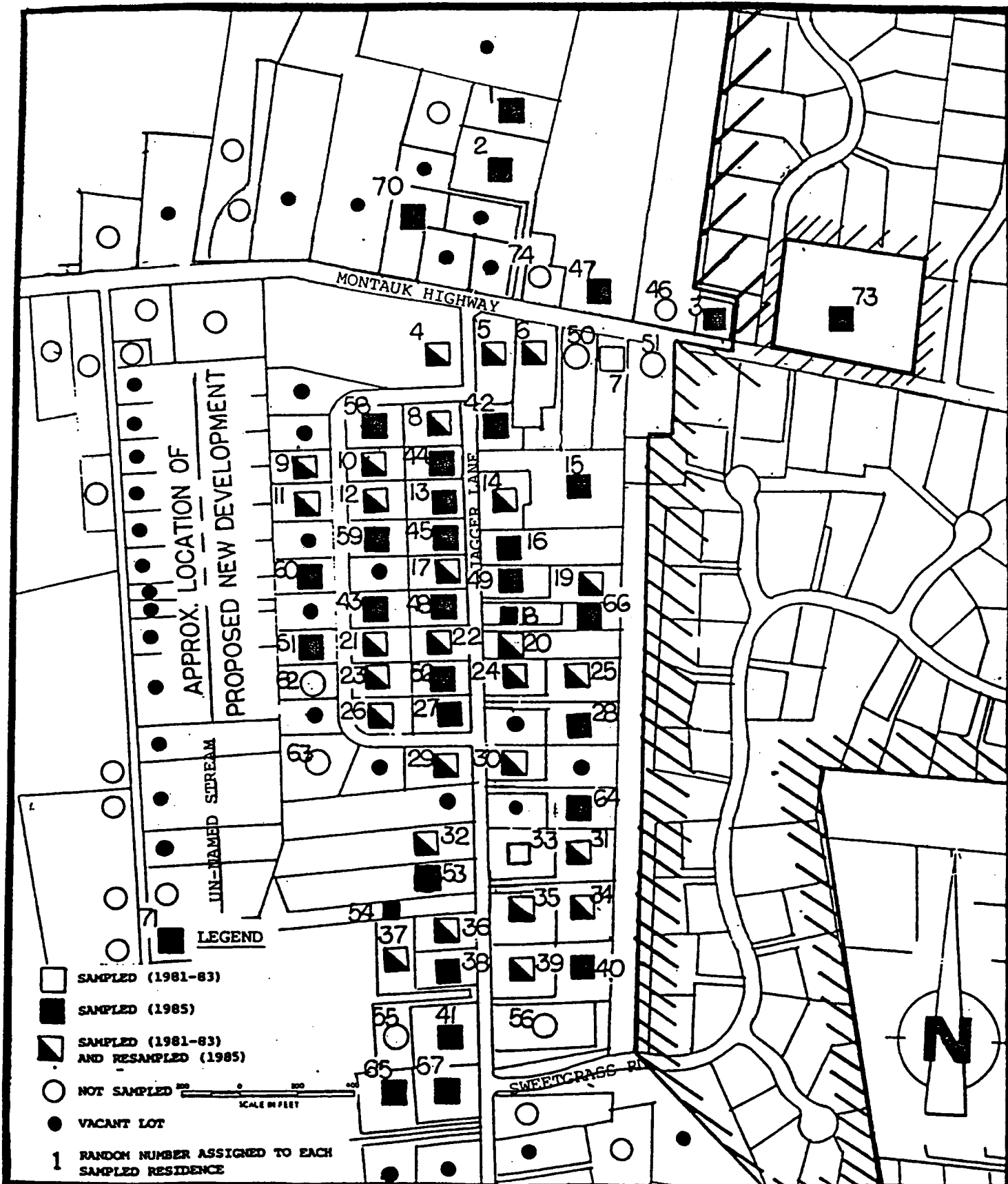
TABLE 2 - (CONTINUED)  
Summary of Groundwater Sampling Well Water Quality Data

<u>Well No.<sup>1</sup></u>	<u>Sample Depth (Feet)</u>	<u>1-1-2 Tri- chloroethylene</u>	<u>Cis- Dichloroethylene</u>	<u>Tetrachloro- ethylene</u>	<u>1-2 Dichloro- propane</u>	<u>Total Conc. of VOC's</u>
JA-25	26					
	44	-	-	-	-	-
	65	-	-	-	-	-
	86	910	-	13	-	923
JA-26	22	-	-	-	-	-
	44	-	-	-	-	-
	65	9	-	-	-	9
	86	1200	-	-	-	1200
	107	12	-	-	-	12
JA-34	23	-	-	-	-	-
	44	-	-	-	-	-
	65	-	-	-	-	-
	86	-	-	-	-	-
	112	-	-	-	-	-
FW-1*	Unknown	-	-	-	3	3
FW-2*	Unknown	-	-	-	-	-
FW-4*	Unknown	-	-	-	-	-

- = Not Detected.

<sup>1</sup>All samples collected by Suffolk County Department of Health Services, January through April, 1985.

\*Existing Fire Well.



**WESTERN**

SPILL PREVENTION &  
EMERGENCY RESPONSE DIVISION

In association with  
ICF, Inc., Jacobs Engineering, Inc., & Tetra Tech, Inc.

EPA PM

G. Tawadros

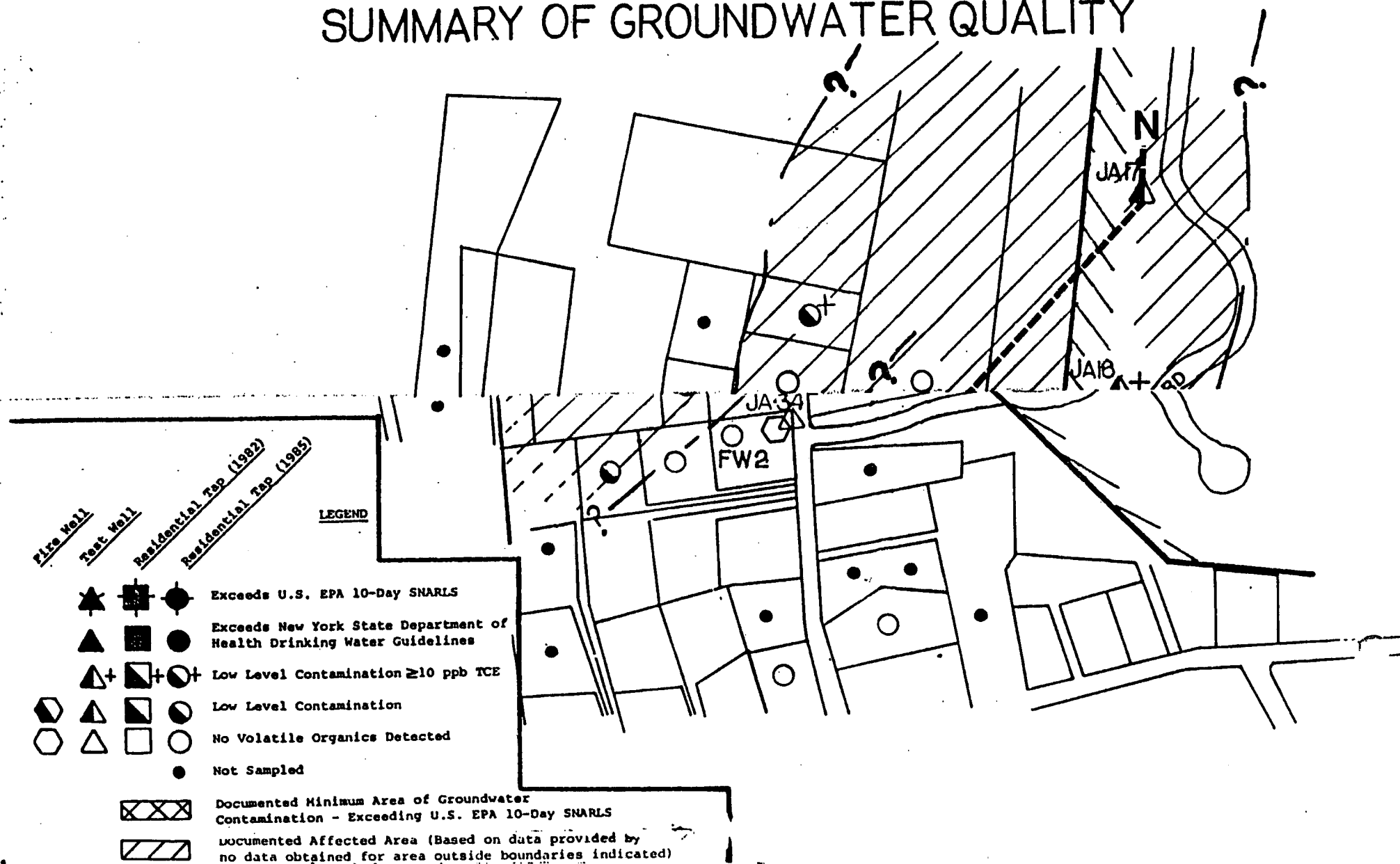
TAT PM

N. De Rose

Figure 1  
Private Well Locations  
Jagger Lane  
Westhampton, Suff. Co., N.Y.

# FIGURE 2

## SUMMARY OF GROUNDWATER QUALITY



contaminant plume at Jagger Lane. These features include groundwater movement which is directed toward the stream from adjacent uplands. As a result, the local groundwater flow pattern in these areas is characterized by a downstream flow gradient (i.e. in this case, southward) which is very low compared to the gradient for lateral movement toward the stream (i.e. in this case westward). This may account for the greater number of contaminated residential wells reported on the west side of the site area. This setting is also expected to limit the southward migration of the contaminant plume.

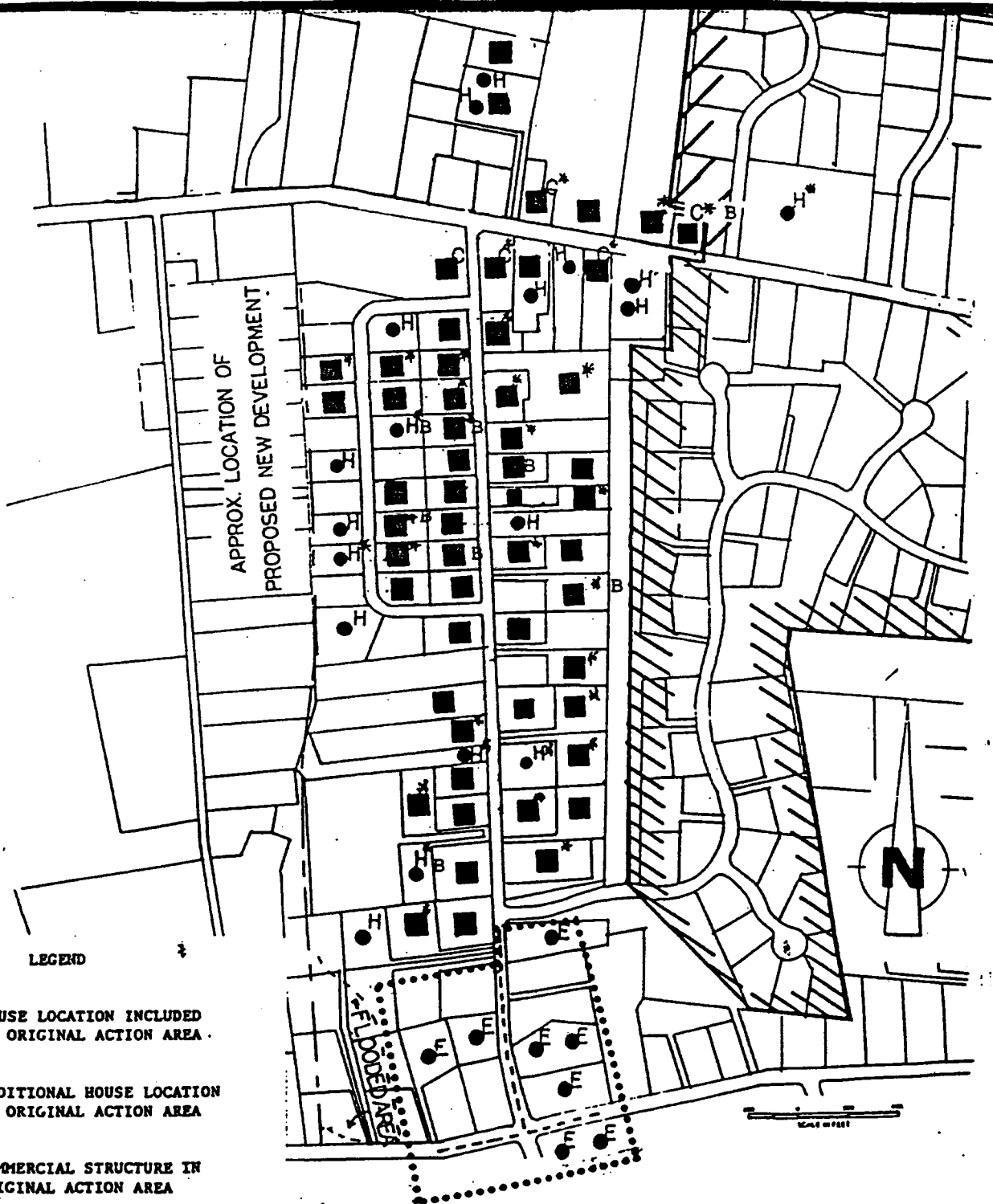
The above observations have resulted in the determination of a high contamination risk area which is located south of documented area of groundwater contamination. This area extends south along Jagger Lane from Sweetgrass Road to South Country Road (Figure 3). The area is designated as a high risk area in comparison to the other areas which surround the documented area of groundwater contamination. Monitoring by SCDHS will be continued in these other surrounding areas.

Approximately 1,400 feet of twelve inch diameter water main will be required to service the eight homes (Figure 3) located within the high contamination risk area. As a result of contract negotiations during the removal action between the EPA Contracting Officer and the SCWA, significant cost savings were realized for the installation of the water main. These cost savings will be utilized for the installation of the water main into the high risk area.

An increase in funding for extramural (TAT) and intramural EPA monitoring of site activities is also required. This is a result of an increase in the scope of work being completed at the site as described in this document. Finally, this increase in funding includes additional cost incurred by the EPA in having to expend a greater amount of its resources to contact and inform local residents of this community. This has resulted from the relative inaccessibility of many of the homeowners whose principal residences are located outside of Westhampton.

The following cost estimates revise the cost estimates provided in the Immediate Removal Funding Request:

1. 5,096 gallons bottled \$ 5,096  
water delivered @ \$1.00/gal.  
(includes 8 additional residences)  
at 28 gallons/week for 13 weeks  
or until line is installed)



SPILL PREVENTION &  
EMERGENCY RESPONSE DIVISION

EPA PM

W.G. Tawadros

Figure 3

In association with

ICF, Inc., Jacobs Engineering, Inc., & Tetra Tech, Inc.

TAT PM

N. De Rose

Location of Addit-  
ional Hookups

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2.	6,400 linear ft. force mains in place (5,120 linear feet of 12 inch diameter * ductile iron pipe and 2065 linear feet of 6 inch diameter ductile iron pipe)	218,000
3.	81 taps and meters at \$300/ea.	24,300
4.	81 hookups @ \$2,000/ea.	162,000
5.	33 RPZD's at \$542/Ea.	17,886
6.	15% contingency of items	64,092
7.	Extramural (TAT) costs	70,000
8.	15% TAT contingency	10,500
9.	Intramural EPA costs	<u>40,000</u>

TOTAL ESTIMATED PROJECT COST \$611,874

\*Pending letter of justification from SCWA.

The estimated cost of this ceiling increase is \$158,628, of which \$102,628 are for mitigation contracting. The project ceiling is \$611,874, of which \$491,374 are for mitigation contracting. This authorization is made pursuant to Deputy Administrator Alvin Alm's April 16, 1984 memorandum, Delegation Number 14-I-A.

cc: (after approval is obtained)  
W. Librizzi, 2ERR  
F. Rubel, 2ERR-RP  
G. Zachos, 2ERR-RP  
R. Ogg, 2ERR-SIC  
G. Pavlou, 2ERR-NYCRA  
J. Marshall, 2OEP  
W. Mugdan, 2ORC-WTS  
R. Gherardi, 2OPM-FIN  
S. Wolfe, 2IG  
P. Flynn, WH-214F (EXPRESS MAIL)  
T. Fields, WH-548B  
W. Hedeman, WH548  
N. Nosenchuck, NYSDEC

APPENDIX A



DEPARTMENT OF HEALTH & HUMAN SERVICES

Public Health Service  
Agency for Toxic Substances  
and Disease Registry

Memorandum

Date July 16, 1985

From Chief, Superfund Implementation Group

Subject Wading River Site  
Long Island, New York

To David P. Knorowski  
Public Health Advisor  
EPA Region II

The material submitted on the subject site has been reviewed within the Superfund Implementation Group, Center for Environmental Health, Centers for Disease Control. I hope you find the comments useful.

COMMENTS

Based upon the data provided, well water with dichloropropane in excess of the EPA, Office of Drinking Water, Criteria and Standards Division, Ten Day Health Advisory level of 100 ug/l should not be used for human consumption purposes. Insufficient chronic exposure data was available to allow EPA to develop a longer term value. However, comparison of the ratio between longer term and ten day Health Advisory values for other chemicals shows a range from 0.44 to 0.05 (average 0.225). Thus, without a value for a longer term Health Advisory for 1,2-dichloropropane for guidance, but using the average ratio from other EPA Health Advisories, we have arrived at a value that could be used for a concentration that may be acceptable for use for a longer term. It is our opinion that wells with water containing more than 25 ug/l should not be used for human consumption for more than two months. In addition wells with half this concentration should be monitored quarterly.

An alternate supply for human consumption can be either bottled water or provision of treatment. Treatment requires that routine monitoring be conducted to demonstrate effectiveness and to determine maintenance needs.

  
Georgi A. Jones

APPENDIX B

*Louis K. McLean Associates, P.C.*

CONSULTING ENGINEERS

437 South Country Road • Brookhaven • New York • 11719

(516) 286-8668

LOUIS K. McLEAN, P.E., L.S.  
GEORGE J. KAIGHI, P.E., L.S.  
JOHN I. JOHNSON, P.E.

July 5, 1985

Mr. Gad Towadros  
United States Environmental  
Protection Agency  
c/o Town of Southampton  
116 Hampton Road  
Southampton, New York 11968

Re: Jagger Lane House Connections

Dear Sir,

This is to confirm our conversation during our meeting of July 2, 1985, held at Hampton Bays Water District. We understand that our office is to proceed with applications and drawings for the backflow prevention devices on all houses with swimming pools and irrigation systems as required by Health Department regulations and the Sanitary Code. Our discussions with the local Public Health Officer has resulted in their cooperation to expedite and minimize the paperwork associated with these applications.

It was agreed that the required application for GEN 236 (4/85) will be filled out by the Roy F. Weston field representative and will be signed by each homeowner who requires a backflow prevention device. Upon completion, these forms will be forwarded to us for processing along with drawings.

The Town will arrange for the proper installation of the RPZ Units, and will bill you for this work on a time and materials basis. We estimate the cost for the work to be as follows:

1" diameter Watts Model 909 RPZ Valve	\$ 146.50
Labor to install 1" diameter RPZ Valve	
Plumber and helper, 1 hr. @\$25.00 + 15 hr.	40.00
Subcontractor to furnish and install drain and pit next to valve in basement including demolition of slab and restoration & cleanup	250.00
Engineering services for application and drawings for RPZ installation including field Engineer inspection, 2 hrs. @\$53.00	106.00

---

Estimated Cost \$542.50

As an aide for your use, we enclose a copy of the Cross Connection Control Program adopted by the Suffolk County Water

Louis K McLean Associates, P.C.

CONSULTING ENGINEERS

July 5, 1985

TO: Mr. Gad Towadros  
U.S. Environmental Protection Agency

RE: Jagger Lane House Connections

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(cont'd.)

Authority, which must be complied with by their consumers and which also meets State and local Sanitary Codes.

Kindly indicate your approval or intentions regarding this work. We will not proceed until we have formal confirmation from your agency. If we can be of further assistance in this matter, please call us at your convenience.

Very truly yours,



Elias S. Kalogeras, P.E.

ESK/dmg

cc: Supv. Martin Lang  
Supt. Robert Alberti, HBWD

APPENDIX C

LIST OF RESIDENCES TO BE SERVICED  
BY THE EXTENSION OF THE WATER MAIN  
AND ASSOCIATED SAMPLING RESULTS

EPA DESIGNATED  
SAMPLE LOCATION  
NUMBER

RESIDENT  
NAME AND ADDRESS

SCDHS SAMPLE RESULTS  
1982 1985

1	Wolff <sup>+</sup>	134C Montauk Hwy.	Not Sampled	Greater Than 10 ppb TCE
2	Fitzsimon <sup>+</sup>	Montauk Hwy.	Not Sampled	Not Detected
3	Abbate <sup>+o</sup>	122 Montauk Hwy.	Not Sampled	Trace Contamina- tion
4	Eagle	Montauk Hwy.	Not Detected	Not Detected
5	Alpert's <sup>+o</sup> Furniture	Montauk Hwy.	Not Detected	Not Detected
6	Alpert <sup>+</sup>	71 Montauk Hwy.	Not Detected	Not Detected
7	Suffolk Life <sup>+o</sup> Newspapers	Montauk Hwy.	Greater Than NYSDOH Guide- line	Not Sampled
8	Calkin <sup>+</sup>	Jagger Lane	Not Detected	Not Detected
9	Duprez <sup>+o</sup>	Windwood Court	Greater Than NYSDOH Guide- line	Not Detected
10	Schneider <sup>+o</sup>	18 Windwood Court	Trace Con- tamination	Trace Con- tamination
11	Izzi <sup>+</sup>	15 Windwood Court	Not Detected	Not Detected
12	Hallinan <sup>+</sup>	16 Windwood Court	Greater Than* 10 ppb TCE	Trace Con- tamination
13	Burger <sup>+o</sup>	Jagger Lane	Not Sampled	Not Detected
14	Cusack <sup>+o</sup>	84 Jagger Lane	Not Detected	Not Detected

\*Sampled 11/81.

<sup>+</sup>Property to be hooked up to water main.

<sup>o</sup>Hookup requires RPZD.

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION II

DATE: Authorization of Additional Trust Fund Monies For Immediate  
Removal Activities At Jagger Lane Groundwater Contamination  
SUBJECT: Site, Westhampton, Suffolk County, Long Island, New York

FROM: Christopher J. Daggett  
Regional Administrator

TO: W. Gad Tawadros, On-Scene Coordinator  
Response and Prevention Branch

THRU: William J. Librizzi, Director  
Emergency and Remedial Response Division

This memorandum will authorize a ceiling increase of \$59,126, raising the project ceiling to \$671,000 in trust fund monies required to complete the removal action at the Jagger Lane Groundwater Contamination Site. The items increasing the project costs are due to: (1) an increase in the cost of the reduced pressure zone devices (RPZD) and their installation over the initial estimate provided by the Town of Southampton, (2) a need to restore damaged driveways during the installations of hookups to the new water main, and (3) an increase in the TAT ceiling to cover these additional activities.

The Town of Southampton informed the U.S. EPA, On-Scene Coordinator (OSC) that as part of the hookup installation for residential homes with in-ground swimming pools and/or lawn sprinkler systems and for hookups to commercial facilities with internal sprinkler systems, RPZD or backflow prevention valves are required by health department regulations and the sanitary code. As a result of this requirement, 36 structures have been identified for the installation of the RPZD's. The Town of Southampton's consulting engineers originally supplied EPA with a cost estimate for these devices and their installation on July 5, 1985. The funding for this item was included in the ceiling increase for this site dated August 19, 1985.

On November 27, 1985, the Town of Southampton's consulting engineers supplied EPA with the cost for the purchase of the RPZD's and their installation. An additional \$548 per RPZD will be required to complete this action. Both the original and the actual RPZD cost estimate from the Town of Southampton are attached to this funding authorization.

EPA DESIGNATED  
SAMPLE LOCATION  
NUMBER

RESIDENT  
NAME AND ADDRESS

SCDHS SAMPLE RESULTS  
1982 1985

59	Altier <sup>+o</sup>	Windwood Court	Not Sampled	Trace Con- tamination
60	Eagle <sup>+</sup>	15 Windwood Court	Not Sampled	Not Detected
61	Thorp <sup>+</sup>	Windwood Court	Not Sampled	Trace Con- tamination
62	<sup>+o</sup>	Windwood Court	Not Sampled	Not Sampled
63	<sup>+</sup>	Windwood Court	Not Sampled	Not Sampled
64	Dwek <sup>+o</sup>	58 Jagger Lane	Not Sampled	Not Detected
65	Golfo <sup>+o</sup>	45 Jagger Lane	Not Sampled	Not Detected
66	Lee <sup>+o</sup>	Jagger Lane	Not Sampled	Not Detected
67	Cunningham	Jagger Lane	Not Sampled	Not Detected
68	Truscott	Jagger Lane	Not Sampled	Not Detected
69	Franklin	4 Jagger Lane	Not Sampled	Not Detected
70	Bailey	Montauk Highway	Not Sampled	Not Detected
71	Cooperman	16 Brushy Neck Lane	Not Sampled	Not Detected
72	Gait	Brushy Neck Lane	Not Sampled	Not Detected
73	Conlon <sup>+o</sup>	Montauk Highway/ No. Quarter Rd.	Not Sampled	Greater Than 10 ppb TCE
74	Kneski <sup>+</sup>	Montauk Highway	Not Sampled	Not Sampled
75	New Owner <sup>+</sup>	Jagger Lane	Not Sampled	Greater Than 10 ppb TCE

<sup>+</sup>Property to be hooked up to water main.

<sup>o</sup>Hookup requires RPZD.

EPA DESIGNATED  
SAMPLE LOCATION  
NUMBER

RESIDENT  
NAME AND ADDRESS

SCDHS SAMPLE RESULTS  
1982 1985

42	Rogers <sup>+</sup>	Jagger Lane	Not Sampled	Greater Than NYSDOH Guideline
43	Kempster <sup>+</sup>	Windwood Court	Not Sampled	Greater Than NYSDOH Guideline
44	Rutledge <sup>+</sup>	85 Jagger Lane	Not Sampled	Trace Con- tamination
45	Grotsky <sup>+</sup>	81 Jagger Lane	Not Sampled	Trace Con- tamination
46	Stone <sup>+</sup>	Montauk Highway	Not Sampled	Not Sampled
47	Kneski <sup>+</sup>	Montauk Highway	Not Sampled	Not Detected
48	Connoly <sup>+</sup>	Jagger Lane	Not Sampled	Not Detected
49	Guilfoyle <sup>+</sup>	Jagger Lane	Not Sampled	Greater Than NYSDOH Guideline
50	Kubica <sup>+</sup>	Montauk Highway	Not Sampled	Not Sampled
51	Koni <sup>+</sup>	Montauk Highway	Not Sampled	Not Sampled
52	Curley <sup>+</sup>	Jagger Lane	Not Sampled	Greater Than NYSDOH Guideline
53	Nissenson <sup>+</sup>	63 Jagger Lane	Not Sampled	Not Detected
54	Walsh <sup>+</sup>	Jagger Lane	Not Sampled	Not Detected
55	Benjamin <sup>+</sup>	Jagger Lane	Not Sampled	Greater Than NYSDOH Guideline
56	Bacher <sup>+</sup>	Jagger Lane	Not Sampled	Not Sampled
57	Moslow <sup>+</sup>	47 Jagger Lane	Not Sampled	Not Detected
58	Mattingly <sup>+</sup>	20 Windwood Court	Not Sampled	Not Detected

<sup>+</sup>Property to be hooked up to water main.  
<sup>o</sup>Hookup requires RPZD.

The estimated cost of this ceiling increase is \$59,126, of which all is for mitigation contracting. The project ceiling is \$671,000, of which \$533,181 is for mitigation contracting. This authorization is made pursuant to Deputy Administrator Alvin Alm's April 16, 1984 memorandum, Delegation Number 14-I-A.

cc: (after approval is obtained)  
W. Librizzi, 2ERR  
F. Rubel, 2ERR-RP  
G. Zachos, 2ERR-RP ✓  
S. Luftig, 2ERR-SIC  
G. Pavlou, 2ERR-NYCRA  
J. Marshall, 20EP  
L. Diamond, 20RC-SUP  
R. Gherardi, 20PM-FIN  
P. Flynn, WH-214F (EXPRESS MAIL)  
T. Fields, WH-548B  
H. Longest, WH-548  
N. Nosenchuck, NYSDEC

EPA DESIGNATED  
SAMPLE LOCATION  
NUMBER

RESIDENT  
NAME AND ADDRESS

SCDHS SAMPLE RESULTS

1982

1985

15	Sposato <sup>+o</sup>	86 Jagger Lane	Not Sampled	Greater Than EPA 10-Day SNARL
16	Smith <sup>+o</sup>	Jagger Lane	Not Sampled	Not Detected
17	Van Rees <sup>+</sup>	Jagger Lane	Not Detected	Not Detected
18	Stasse <sup>+</sup>	76 Jagger Lane	Not Sampled	Trace Con- tamination
19	Pearson <sup>+</sup>	Jagger Lane	Not Detected	Not Detected
20	Leveen <sup>+</sup>	Jagger Lane	Not Detected	Not Detected
21	Jaeger <sup>+o</sup>	Windwood Court	Trace Con- tamination	Greater Than NYSDOH Guideline
22	Fitzgerald <sup>+</sup>	Jagger Lane	Not Detected	Not Detected
23	Smith <sup>+o</sup>	Windwood Court	Greater Than 10 ppb TCE	Greater Than NYSDOH Guideline
24	Glasky <sup>+o</sup>	Jagger Lane	Greater Than EPA 10-Day SNARL	Greater Than NYSDOH Guide- line
25	Reden <sup>+</sup>	Jagger Lane	Not Detected	Not Detected
26	Plank <sup>+</sup>	4 Windwood Court	Greater Than EPA 10-Day SNARL	Greater Than 10 ppb TCE
27	Alpert, J. <sup>+</sup>	71 Jagger Lane	Not Sampled	Not Detected

<sup>+</sup>Property to be hooked up to water main.

<sup>o</sup>Hookup requires RPZD.

During the installation of hookups to the new water main, several long driveways were damaged and are in need of additional restoration efforts to return them to their original state. The Town of Southampton's consulting engineers have recommended that \$15,000 be authorized to complete this activity as shown in the attached letter dated November 27, 1985.

An increase of \$15,000 to cover the additional activities at the site by TAT is also being requested to cover this action.

The following cost estimates revise the cost estimates provided in the Immediate Removal Funding Request:

1.	5,096 gallons bottled water delivered @ \$1.00/gal. (includes 8 additional residences) at 28 gallons/week for 13 weeks or until line is installed)	\$ 5,096
2.	6,400 linear ft. force mains in place (5,120 linear feet of 12 inch diameter ductile iron pipe and 2065 linear feet of 6 inch diameter ductile iron pipe)	218,000
3.	81 taps and meters at \$300/ea.	24,300
4.	81 hookups @ \$2,000/ea.	162,000
5.	36 RPZD's at \$1,090/Ea.	39,240
6.	Restoration of driveways	15,000
7.	15% contingency of items	69,545
8.	Extramural (TAT) costs	85,000
9.	15% TAT contingency	12,750
10.	Intramural EPA costs	<u>40,000</u>
	TOTAL ESTIMATED PROJECT COST	\$670,931
	ROUNDED TOTAL	\$671,000

*Louis K. McLean Associates, P.C.*

CONSULTING ENGINEERS

137 5th Avenue Road • Brookhaven • New York • 11719

(516) 221-2800

LOUISE McLEAN, P.E., L.S.  
GEORGE J. KACHIL, P.E., L.S.  
JOHN F. JOHNSON, P.E.

November 27, 1985

Mr. Gad Towradros  
E.P.A.  
c/o Town of Southampton  
116 Hampton Road  
Southampton, N.Y.

Re: Jagger Lane  
LKMA Proj. No. 90-369-01

Dear Sir:

We have reviewed the cost of "RPZ" valve installations and recommend estimates be revised to reflect the following current costs:

A) Sub-contract cost to tie-in house connection and abandon well 35 units @ \$275.00	\$ 9,625.00
B) Furnish Watts #909 Valve 35 units @ \$165.00	5,775.00
C) Sub-contract cost to install and test "RPZ" valve, construct drainage system for valve 35 units @ \$550.00	19,250.00
D) Engineering cost for Health Dept. and Water Utility Applications	3,500.00
	<u>\$ 38,150.00</u>

The above total cost equates to approximately \$1,090.00 per "RPZ" installation, an increase of \$548.00 from original estimates. The increase is largely due to increased labor and material costs incurred due to expediting construction schedule by sub-contracting this portion of the work. In addition, normal tie-in cost was not included in the original estimate which accounts for 50% of the increased cost.

*Louis K. McLean Associates, P.C.*

CONSULTING ENGINEERS

November 27, 1985

TO: Mr. Gad Towradros  
E.P.A.  
c/o Town of Southampton  
RE: Jagger Lane  
LKMA Proj. No. 90-369-01

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(cont'd.)

We also wish to advise you that restoration costs of driveways, especially for the long driveways of flag lots, should be increased from original estimates. As you are aware, minimal restoration was included initially with little consideration given to flag lot properties. We strongly suggest that an additional appropriation be provided in the amount of \$15,000.00 to restore driveways.

If you have any questions regarding this matter, please call us at your convenience.

Very truly yours,

  
Elias S. Kalogeras, P.E.

ESK/pc

cc: Supv. Martin Lang, T.O.S.  
Supt. Robert Alberti, H.B.W.D.



*Louis K. McLean Associates, P.C.*

CONSULTING ENGINEERS

437 South Country Road • Brookhaven • New York • 11719

(516) 280-8888

LOUIS K. McLEAN, P.E., L.S.  
GEORGE J. KAIGH, P.E., L.S.  
JOHN L. JOHNSON, P.E.

July 5, 1985

Mr. Gad Towadros  
United States Environmental  
Protection Agency  
c/o Town of Southampton  
116 Hampton Road  
Southampton, New York 11968

Re: Jagger Lane House Connections

Dear Sir,

This is to confirm our conversation during our meeting of July 2, 1985, held at Hampton Bays Water District. We understand that our office is to proceed with applications and drawings for the backflow prevention devices on all houses with swimming pools and irrigation systems as required by Health Department regulations and the Sanitary Code. Our discussions with the local Public Health Officer has resulted in their cooperation to expedite and minimize the paperwork associated with these applications.

It was agreed that the required application for GEN 236 (4/85) will be filled out by the Roy F. Weston field representative and will be signed by each homeowner who requires a backflow prevention device. Upon completion, these forms will be forwarded to us for processing along with drawings.

The Town will arrange for the proper installation of the RPZ Units, and will bill you for this work on a time and materials basis. We estimate the cost for the work to be as follows:

1" diameter Watts Model 909 RPZ Valve	\$ 146.50
Labor to install 1" diameter RPZ Valve	
Plumber and helper, 1 hr. @\$25.00 + 15 hr.	40.00
Subcontractor to furnish and install drain and pit next to valve in basement including demolition of slab and restoration & cleanup	250.00
Engineering services for application and drawings for RPZ installation including field Engineer inspection, 2 hrs. @\$53.00	106.00

---

Estimated Cost \$542.50

As an aid for your use, we enclose a copy of the Cross Connection Control Program adopted by the Suffolk County Water

*Louis K. McLean Associates, P.C.*

CONSULTING ENGINEERS

July 5, 1985

TO: Mr. Gad Towadros  
U.S. Environmental Protection Agency

RE: Jagger Lane House Connections

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(cont'd.)

Authority, which must be complied with by their consumers and which also meets State and local Sanitary Codes.

Kindly indicate your approval or intentions regarding this work. We will not proceed until we have formal confirmation from your agency. If we can be of further assistance in this matter, please call us at your convenience.

Very truly yours,



Elias S. Kalogeras, P.E.

ESK/dmg

cc: Supv. Martin Lang  
Supt. Robert Alberti, HBWD

APPENDIX L

AUTHORIZATION FOR SIX MONTH  
EXTENSION

OSC REPORT  
JAGGER LANE  
WESTHAMPTON, NY

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region II

DATE

NOV 7 1985

SUBJECT

Authorization For Six Month Time Extension To Allow For Continuation Of Removal Activities At Jagger Lane Groundwater Contamination Site, Westhampton, Suffolk County, Long Island, NY

FROM

W. Gad Tawadros, On-Scene Coordinator *Henry H. Zacher, for*  
Response and Prevention Branch

TO

Christopher J. Daggett  
Regional Administrator

*William J. Librizzi*  
THRU: William J. Librizzi, Director  
Emergency and Remedial Response Division

Issue:

Continued response actions of a duration greater than six months cannot be undertaken unless an exemption to Section 104(c) of the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) is granted. The initial removal action at the Jagger Lane Groundwater Contamination site began in mid-May 1985 and the six month time frame, therefore, expires approximately mid-November 1985. Circumstances (see discussion below) have arisen which have prevented a portion of the removal actions authorized by the action memorandum and the ceiling increase memorandum for this site from being completed within the original six (6) month time frame. Accordingly, an exemption from the six month limit is necessary to allow for continuation of removal activities at this site, and is hereby requested.

Statutory Criteria:

Section 104(c) of CERCLA limits Federal removal actions to six months in duration unless three criteria are met: (1) continued response actions are immediately required to prevent, limit or mitigate an emergency; (2) there is an immediate risk to public health or welfare or the environment; and (3) such assistance will not otherwise be provided on a timely basis.

Discussion:

The U.S. Environmental Protection Agency (EPA) initiated a removal action in May 1985 for the purpose of providing alternate water supplies to impacted residences located in the Jagger Lane Groundwater Contamination site area not connected to the nearby public water distribution system. This removal action consists of provision of bottled drinking water, as an interim measure, until the impacted residences are ultimately connected to the public water supply. The EPA authorized the connection to public water, by approving the immediate removal Action Memorandum in May 1985, of 50 residences in the affected area.

On August 19, 1985 a ceiling increase was authorized by the EPA to connect an additional 18 residential structures and five commercial facilities located within the affected area and to install reduced pressure zone devices as required by county and state department regulations for 33 structures that meet specified conditions. In addition, authorization was given for extension of the approved public water distribution system to service an identified high risk area. This extension included an additional 1,400 feet of 12 inch water main and hookups to 8 additional homes.

The Suffolk County Water Authority (SCWA) and the Hampton Bays Water District (HBWD) were contracted with to connect the impacted residences in Westhampton, within their jurisdiction, to the public water supply. Over the past several months, several other emergencies have occurred which have necessitated the HBWD crew to intermittently cease work on the EPA project and dedicate themselves to other emergency repairs. The SCWA is presently completing the required engineering design and field surveys in preparation for construction of the approved extension of the public water distribution to service the high risk area. The occurrence of these situations has thus prevented the completion of the authorized removal action within the original six (6) month time frame.

The manner in which the Jagger Lane Groundwater Contamination site meets the prescribed criteria for a six (6) month time extension is as follows:

1. Continued response actions are immediately required to prevent, limit or mitigate an emergency

This removal action was originally authorized for the specific purpose of prevention and mitigation of the immediate and significant risk of harm to human health due to the consumption of or other exposure to contaminated potable water by those residents whose private drinking water wells have been proven to be contaminated. The approved immediate removal action is not complete until the conditions which initially led to the initiation of action are eliminated or abated (300.65(c) of the NCP).

2. There is an immediate risk to public health or welfare or the environment.

Trichloroethylene and the other organic contaminants (i.e. tetrachloroethylene, Cis-dichloroethylene, 1,2-dichloropropane) found in lesser quantities in many of the impacted residences are all identified as hazardous substances as defined in Section 101(14) of CERCLA, 42 U.S.C. § 9601(14). In addition to the exposure via drinking this water or eating food prepared with this water, showering with water contaminated with volatile organics has also been shown to contaminate the air to significantly unhealthy levels. The contaminated

wells identified at the Jagger Lane Groundwater Contamination site thus present an immediate and significant risk of harm to human health because of the existing contamination of a drinking water supply and subsequent potential for direct human exposure to toxic substances.

3. Assistance will not otherwise be provided on a timely basis

With the exception of the Federal action that has occurred to date, no other state or local mitigation action has or is planned to be undertaken at the Jagger Lane Groundwater Contamination site. The source(s) of this contamination have not yet been conclusively identified. Should a responsible party or parties be identified in the future and be willing to undertake corrective action, all or part of the funds required for the removal activities at this site may be retrieved. The immediate threat to the impacted residences, however, is significant and requires prompt and immediate attention. The Jagger Lane Groundwater Contamination site is not on the National Priorities List.

Recommendation:

Because conditions at the site meet the CERCLA 104(c) criteria, I recommend that you approve an exemption from the six month limit to allow for continuation of removal activities at the Jagger Lane Groundwater Contamination site in Westhampton, New York.

APPROVE: Christopher J. Haydt DATE: 11/22/85

DISAPPROVE: \_\_\_\_\_ DATE: \_\_\_\_\_

cc: (After approval is obtained)

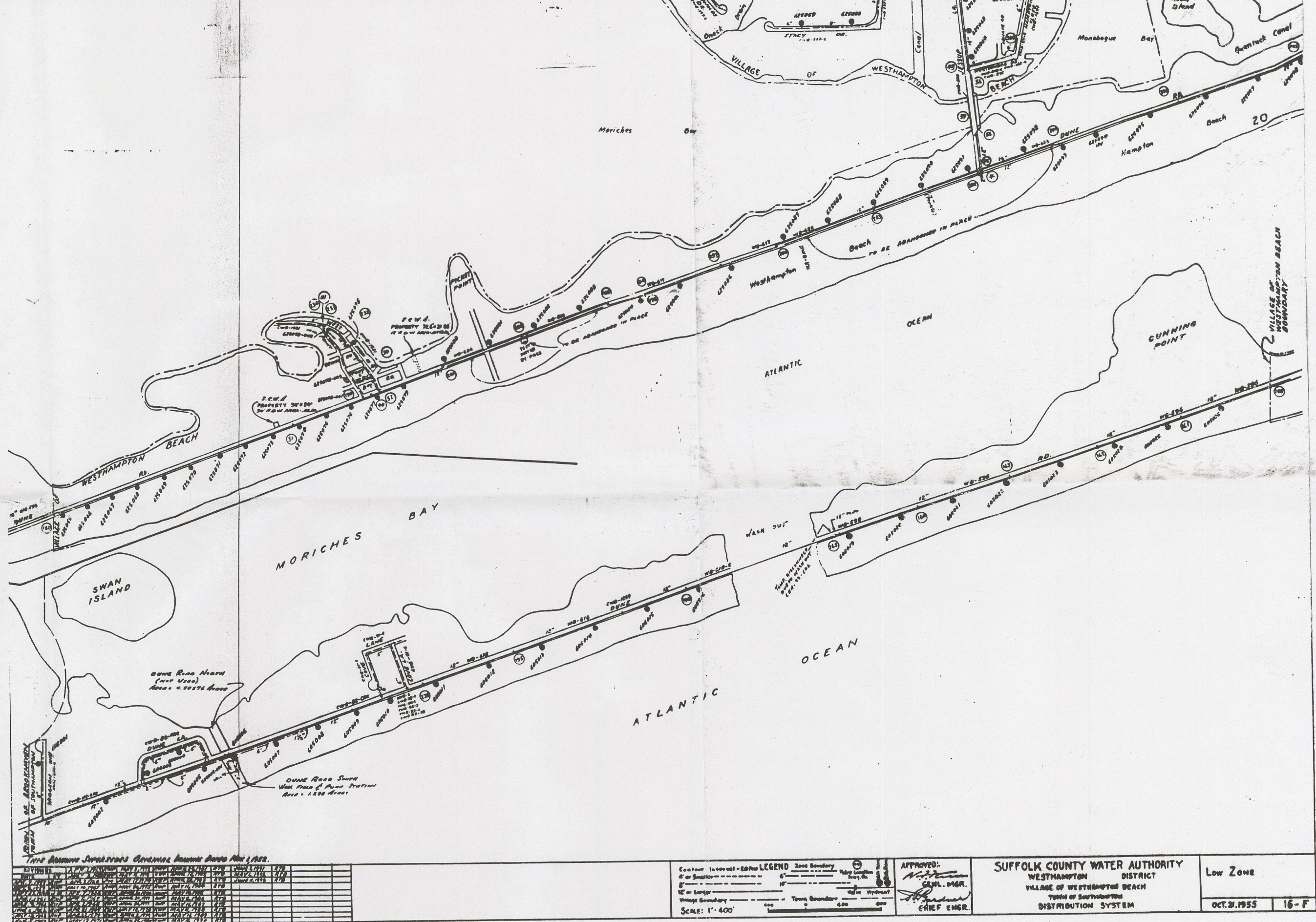
W. Librizzi, 2ERR  
F. Rubel, 2ERR-RP  
G. Zachos, 2ERR-RP  
R. Ogg, 2ERR-SIC  
G. Pavlou, 2ERR-NYCRA  
J. Marshall, 2OEP  
W. Mugdan, 2ORC-WTS  
R. Gherardi, 2OPM-FIN  
S. Wolfe, 2IG  
P. Flynn, PM-214F (EXPRESS MAIL)  
T. Fields, WH-548B  
H. Longest, WH-548  
N. Nosenchuck, NYSDEC

**REFERENCE NO. 4**





TITLE: <b>SUFFOLK COUNTY WATER AUTHORITY DISTRIBUTION MAP</b>	
SITE NAME: <b>JAGGER LANE SITE WESTHAMPTON, SUFFOLK COUNTY, NEW YORK</b>	
DATE: 9/30/94	SCALE: 1" = 985'
REPORT NUMBER: 8003-356	
USGS TOPO NAME: <b>EASTPORT, NEW YORK</b>	





## Statistical Highlights

1984-1993

	For Fiscal Year Ended May 31 1993	1984	10-Year Growth	Percent Increase
Customers	308,352	250,544	57,808	23%
Population Served	1,112,832	826,000	286,832	35%
Miles of Main	4,564	3,645	919	25%
Fire Hydrants	28,181	23,474	4,707	20%
Water Pumped (billion gallons)	46.5	42.2	4.3	10%
Employees	586	440	146	33%

## Financial Highlights

Gross Revenues	\$ 72,577,000	\$ 43,479,000	\$ 29,098,000	67%
Operating and Maintenance Expense, Except Depreciation	46,330,000	23,967,000	22,363,000	93%
Water Plant at Cost	593,436,000	289,210,000	304,226,000	105%
Bonded Indebtedness	274,325,000	131,009,000	143,316,000	109%
Total Earnings in the Business at the Close of Period	\$133,349,000	\$79,977,000	\$53,372,000	67%

## Water Quality Improvements

The Authority is about to launch two pilot programs, both firsts for the Authority, which deal with the inorganic compound, nitrate, which we are finding in higher amounts generally on Long Island, and iron, a natural constituent of the water in some parts of the County. There are currently several well sites where the level of nitrates is slowly increasing, although none of these wells exceed New York State's stringent water standard for this inorganic compound. Nitrates in water is usually associated with fertilizers and some organic wastes.

In anticipation of potentially exceeding the standard in the near future requiring shut-down of wells important to the system and the trend we are seeing for higher nitrates generally on Long Island, the Authority will construct a "pilot" denitrification plant in Fort Salonga within the year. The site selected, the Middleville Road Pump Station, is an important well field where the well capacity is needed and the levels of nitrates are approaching the limit. We will be utilizing a proven technology recommended by the Suffolk County Department of Health Services. This plant will serve

as a model for any future plants that may be needed. The equipment will be below grade and as unobtrusive as possible to the host community, resembling the small pump station buildings currently at our sites.

Iron in water, often referred to as rusty or brown water, continues to be the subject of complaint from our customers in some areas of the County where iron is a natural component of the water. While iron in drinking water has not been deemed a health hazard by the regulators, it presents other problems and inconveniences to the water consumer. It is unappealing aesthetically and stains clothing and plumbing fixtures. The Authority has employed a number of strategies to mitigate the problem from the use of sequestering agents (to hold the iron in solution) to a systematic flushing program, which has been somewhat successful in some areas.

Heretofore, the technology to remove iron in drinking water, which required large tracts of land, was relatively new, unproven and extremely cost prohibitive. However, more recently,

the technology and the costs associated with it have improved significantly. Therefore in 1994, the Authority will construct its first iron removal plant at the Harvest Lane Pump Station in West Islip. The location of this site is ideal because it is somewhat set apart from neighboring SCWA wells making monitoring of the reduction in iron easier to determine.

Based on the experimental results of this plant and the construction costs incurred, the Authority will evaluate this project and will make a decision on proceeding with similar projects where iron is a source of inconvenience to our customers.

## Legislative Watch

Like many businesses today, we realize that it is important to keep abreast of governmental legislative agendas that pertain to one's industry. In fact, it would be a serious omission of responsibility to one's customers to do otherwise. The SCWA, of course, is supportive of legislation and programs that effectively and necessarily ensure the best quality water for all public consumers. We have demonstrated that support on a continual basis.

**REFERENCE NO. 5**

To:File	Date:September 29, 1994
From:Andrew Cilbanoff	Project #:8003-356
Subject:Groundwater Apportionment	Site Name:Jagger Lane Site

Groundwater is the sole source of water for public water supplies in Suffolk County. There is one public water supplier that draws water from wells located in the general vicinity of the Jagger Lane Site: Suffolk County Water Authority (SCWA).

**SCWA**

Two of SCWA's well fields containing a total of 4 active supply wells are located in the general vicinity of the Jagger Lane Site. Three of the wells are located 0.75 miles north of the site in the Old Country Road Well Field. The remaining well is located ~~in the~~ 1.9 miles south of the site in the Dune Road Well Field. All of the wells are tapped into the Upper Glacial Aquifer. SCWA utilizes a total of 404 wells to supply drinking water to a total population of 1,112,832. SCWA's distribution system is interconnected.

RRR

Apportionment Calculation

$(1,112,832 \text{ people}) / (404 \text{ wells}) = 2754.5 \text{ people/well}$

Population Served by Wells in vicinity of Jagger Lane

$(2,754.5 \text{ people/well}) * (4 \text{ wells}) = 11,018 \text{ people}$

# STOCK COUNTY WATER AUTHORITY



2002 Annual Report

Public education efforts are continual. Billing inserts, annual water supply statements, tours of our facilities, contests with water conservation and protection themes for school children, the Source Reduction Program and seminars and workshops, etc., all serve as a means of conveying information to the public. We believe that expending efforts to inform our

customers is the best way to sustain the public's confidence as well as to maintain the integrity of the water source.

We have much to be proud of at the Suffolk County Water Authority, but our single greatest asset is our employees. At the end of the fiscal year the Authority had 586 full time employees and the Board Members and I want to thank them all for the important accomplishments achieved during the year. We look

forward to the future with renewed enthusiasm and commitment to providing the best quality water and service to our customers at the most reasonable price possible.

Sincerely,

*Michael A. LoGrande*

MICHAEL A. LoGRANDE  
Chairman / Chief Executive Officer

## Plant Facilities 1992 - 1993

Service Areas of Plants	WELLS			Pumping Plants			Storage Facilities					
				Capacity - 1,000								
	Active	Inactive		No.	Gallons Daily*	No.	1,000 Gallons	Active Services				
BABYLON	48	46	3	0	19	18	80,928	7	7	7,220	56,088	58,080
BAY SHORE	48	48	12	0	21	21	91,872	7	7	6,012	50,389	50,389
PATCHOGUE	71	71	5	5	29	29	115,776	12	11	12,465	62,009	62,402
HUNTINGTON	54	54	2	2	22	22	67,104	11	11	11,842	30,743	30,716
PT. JEFFERSON	68	72	5	4	30	33	112,464	8	9	7,854	41,419	47,173
SMITHTOWN	45	45	3	3	20	20	83,520	6	6	6,100	25,598	25,591
WESTHAMPTON	34	35	0	0	14	14	28,800	4	4	4,050	20,887	22,220
EAST HAMPTON	33	33	4	3	19	19	26,280	5	5	5,720	12,416	13,707
TOTALS	401	404	34	26	174	177	606,744	60	60	61,263	299,549	308,352

\*Based on 24-hour operation and on actual capacity of pumping equipment for active wells.

AS OF MAY 31, 1992 ☐

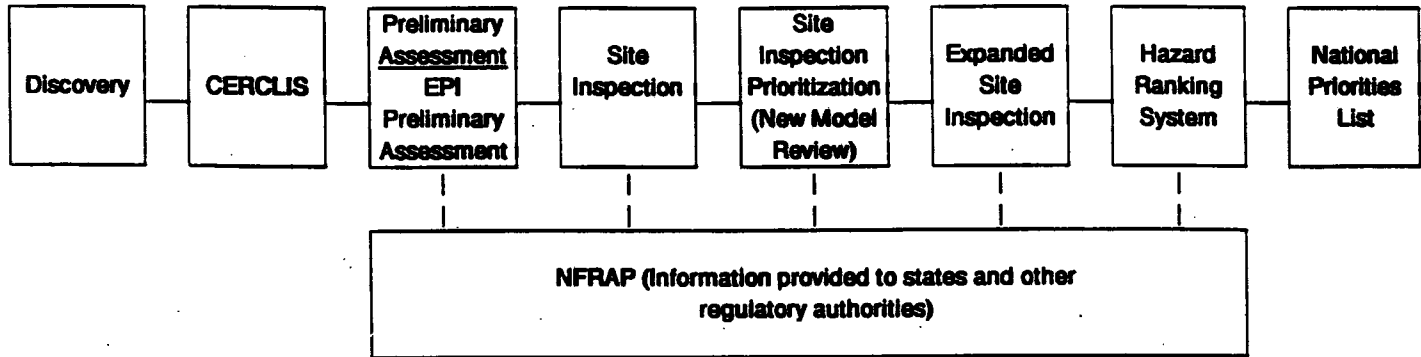
AS OF MAY 31, 1993 ☐

## Highlights 1992 - 1993

	May 31	
	1993	1992
Total Revenues	\$ 72,577,000	\$ 74,506,000
Operating and Maintenance Expense except depreciation	46,330,000	46,577,000
Interest on Bonds and Notes;		
including amortization of debt discount and expense	12,624,000	13,158,000
Depreciation	10,199,000	9,747,000
Revenues Invested in Facilities for the year	( 17,255,000)	5,024,000
Revenues Invested in Facilities (since June 1, 1951)	133,349,000	150,604,000
Total Water Plant at Cost	593,436,000	549,719,000
Net Additions to Water Plant	43,717,000	32,971,000
Customers (Active Services)	308,352	299,549
Miles of Main in Service	4,564	4,375
Fire Hydrants in Service	28,181	27,216
Water Production (Billion Gallons)	46.5	50.6

**ATTACHMENT 2**

# SUPERFUND SITE ASSESSMENT PROGRAM



## SITE ASSESSMENT REPORTS

### 1. PRELIMINARY ASSESSMENT

- \* Quick Review of Readily Accessible Records and Reports
- \* Undertaken to Determine the Existence of a Problem and the Need for Further Action at a Site by Characterizing:
  - Magnitude of the Hazard
  - Source and Nature of the Release or Potential Release
  - Identification of Targets
- \* Does Not Include Sample Collection

### 2. SITE INSPECTION

- \* The Purpose of the Site Inspection is to:
  - Further Define and Characterize the Problem
  - Provide Data for the Hazard Ranking System (HRS) Scoring and Compute Initial Score
  - Identification of Targets
  - Determine the Necessity of Further Action
- \* The Site Inspection Involves an On-Site Visit and Sampling (10+/- Samples)
- \* A Site Inspection is not an Extent of Contamination Study

### 3. SITE INSPECTION PRIORITIZATION

- \* Quick Review of Readily Accessible Records and Reports
- \* Undertaken to Determine the Validity and Update Background Conditions Under the New HRS Model, and the Need for Further Action at a Site by Characterizing:
  - Magnitude of the Hazard
  - Source and Nature of the Release or Potential Release
- \* Included On-Site Visits or Sample Collection as needed
  - Analyze Samples/Limited Analytical Resources
  - Account for Significant Safety Hazards On-Site

### 4. EXPANDED SITE INSPECTION

A Follow-Up Inspection May Be Recommended After the SI To:

- \* Gather Additional Data Necessary to Strengthen or Substantiate the Initial HRS Score
  - Geophysical Surveys
  - Installation of Groundwater Monitoring Wells
  - Additional Sampling

## **Review of Analytical Data**

If previous analytical data are available, they should be reviewed for information which supports the design of the sampling and analysis program, tests site hypotheses, and documents the site score. The SI Investigator should review all previous analytical data. While analytical data collected for other purposes may not meet SI objectives, site-specific analytical data are generally helpful in better understanding the nature of the problem at the site, regardless of data sources or data quality. The depth of the review depends on the overall quality and quantity of data, the intended use of the data, and whether they are representative of current site conditions and comparable to SI data. Determining whether available data can be applied as SI-generated data requires the professional judgement of an experienced reviewer. Both validated and non-validated analytical data may be available. Previous SI data will be validated and of CLP-quality. Non-validated data may contain false positives and false negatives, as well as quantitation, transcription, and calculation errors. If data of unknown or questionable quality are used for decision-making, the investigator should review all available information to assess the level of certainty associated with the data. If these data are used for HRS documentation, data validation will be necessary. The investigator should be able to determine the general quality of the data set by reviewing QC data for evaluation under the Superfund Program.